



Digitized by the Internet Archive
in 2014

628.1
B53
1907

R 42. 28/5/07.

City of Birmingham.

REPORT

OF THE

WATER COMMITTEE

FOR PRESENTATION AT THE

SPECIAL MEETING OF THE COUNCIL,

TO BE HELD ON

TUESDAY, MAY 28th, 1907.

BIRMINGHAM:

PERCIVAL JONES LIMITED, 87-89, EDMUND STREET.

—
1907.

CITY OF BIRMINGHAM.

Report

OF THE

WATER COMMITTEE,

FOR PRESENTATION AT THE

SPECIAL MEETING OF THE COUNCIL,
TO BE HELD ON TUESDAY, MAY 28TH, 1907.

MEETINGS.

The Committee have, since their last Report, held
twenty Meetings.

The Lord Mayor attended all of such Meetings.

				Attended.	Absent.
Mr. Alderman Lawley Parker,					
Chairman	...	...	...	12	7
„ Alderman Beale	...	...	...	20	0
„ „ Clayton	...	...	...	11	9
„ „ Lloyd	...	...	...	18	2
Mr. Councillor Barber	...	...	...	20	0
„ „ Freeman	...	...	...	19	1
„ „ Hunt	...	...	...	17	3
„ „ Martineau	...	...	...	20	0

628.1
B53
1907 - 1908/9
2
ACCOUNTS.

Your Committee submit herewith the Accounts and Balance Sheet for the year ended March 31st, 1907.

The water rents show an increase of £7,084, being 2·55 per cent. over the total for the previous year, against an increase of 3·54 per cent. in the last account. The analysis of the rental given in Table "I" shows that the domestic rental has increased to the extent of 2·41 per cent., against 2·67 per cent. in the previous year. The measured supplies for trade and general purposes have increased 3·38 per cent. against 6·44 per cent. last year, and 3·43 per cent. two years ago.

The Revenue Account, notwithstanding the exceptional charge of £6,274 for the repair of the Erdington Reservoir, shows a gross profit of £192,018, being an increase of £2,073 over the corresponding figure for last year.

The charges on account of capital, shown in the Profit and Loss Account, amount to a net total of £276,634, and result in a deficiency for the year of £84,615 18s. 11d. This has been covered by:—

	£	s.	d.
Contribution from Borough Fund			
and Rate Account	65,000	0	0
Transfer, to cover the Balance,			
from Capital Account (C) under			
Section 22 of the Birmingham			
Corporation Water Act, 1902 ...	19,615	18	11
	<hr/>		
	£84,615	18	11
	<hr/>		

The result of the year's working corresponds very closely with the anticipation.

As regards the estimate for the coming year, your Committee have requested the Finance Committee to provide from the rates the sum of £65,000, being the same amount as in the account now presented.

CONSUMPTION OF WATER.

The usual returns relative to the consumption of water during the year to March 31st are submitted with this Report. The average daily distribution for the whole year has been 18·708 million gallons, as against 17·807 in the previous year, being an increase of 5·06 per cent. The increase distributed over the several zones shows the following percentages :—

Low Level Zone	...	3·63	per cent.
Middle Level Zone	...	3·65	,,
High Level Zone	...	9·37	,,

The measured supplies show an increase of 2·26 per cent. in quantity, against the increase of 3·38 per cent. in money already noted. The unmeasured supplies show an increase of 6·12 per cent.

ELAN SUPPLY.

PURCHASES OF LAND.

The following purchases of land have been completed, in addition to those already reported :

OWNER.	Date of Completion.	Freehold for Protective Works for Aqueduct (Hagley Railway Cutting).		
	1906	A. R. P.		
C. J. Bate 	Oct. 18	0 0 34·71		
Trustees of the late Mr. Charles Ford 	Oct. 31	0 0 8·39		
Miss Lea 	Oct. 31	0 0 7·80		
Lord Cobham 	Dec. 10	0 0 12·49		
Feoffees of the Old Swinford Hospital 	Dec. 20	0 2 15·83		

ELAN VALLEY WORKS.

The process of clearing up and the disposal of plant in the Elan Valley have proceeded steadily during the winter. The remainder of the plant, railway material, wooden buildings, etc., was disposed of at a sale by auction on the 8th, 9th, and 10th May.

PERMANENT BUILDINGS.

Arrangements are proceeding for the erection of the permanent buildings required in connection with the administration of the Works. The chief of these is the new school to replace the school at Nantgwillt, in pursuance of Section 55, sub-section 4, of the Birmingham Corporation Water Act, 1892. By arrangement with the Local Authorities the school is to be built in the Elan Village on the Brecon side of the river, instead of on the Radnorshire side, where the old school was situate. The other buildings to be erected at once are a Superintendent's house and offices, post office and shop, ten

cottages for workpeople, and workshops. Your Committee have instructed Mr. H. T. Buckland, the Architect to the Birmingham Education Committee, to act as Architect for the new school and other buildings.

RAINFALL.

The rainfall on the watershed on the average of the six gauges, compared with the gauges at the old works, during the past ten years has been as under :—

Year.	Witton.	Whitacre.	Average of Gauges in Elan Valley.
	Inches.	Inches.	Inches.
1897	27·38	27·11	65·87
1898	21·65	21·58	58·98
1899	25·30	24·31	61·67
1900	29·26	33·02	63·04
1901	22·58	24·38	56·35
1902	24·58	25·78	50·94
1903	29·88	33·35	87·14
1904	20·09	23·58	51·80
1905	19·67	21·61	54·39
1906	24·54	24·98	67·59
Averages for the ten years }	24·49	25·97	61·77

The amount expended on the Elan Supply Scheme up to March 31st, 1907, is £5,726,710, as shown in the Accounts.

A.—STATEMENT OF AUTHORISED CAPITAL.

ON THE 31st MARCH, 1907.

1	2	3	4
Description.	Total Amounts Borrowed and Liability on Annuities at 31st March, 1907.	Remaining to be Borrowed.	Total Amount Authorised.
<hr/>			
UNDER BIRMINGHAM (CORPORATION) WATER ACTS, 1875 AND 1879.	£ s. d.		
Annuities			
(Capitalised at 25 years' purchase) ...	1,248,272 10 0		
Birmingham Corporation 3½% Stock ...	425,855 8 5		
Ditto ditto 3 % Stock ...	215,161 8 9		
Ditto ditto 2½% Stock ...	35,403 3 9		
Total amount outstanding ...	£1,924,692 10 11		
Annuities redeemed, Stock cancelled or transferred, and Loans repaid from Sinking Fund ...	173,167 7 9		
	£2,097,859 18 8		£2,097,859 18 8
<hr/>			
UNDER BIRMINGHAM (CORPORATION) WATER ACT, 1892.	£ s. d.		
Birmingham Corporation 3½% Stock ...	35,000 0 0		
Ditto ditto 3 % Stock ...	1,311,169 16 6		
Ditto ditto 2½% Stock ...	1,242,817 6 2		
Loans ...	3,156,462 5 10		
Birmingham Corporation Bills ...	289,287 14 2		
Total amount outstanding ...	£6,034,737 2 8		
Stock cancelled or transferred from Sinking Fund ...	27,762 17 4		
	£6,062,500 0 0	£537,500 0 0	£6,600,000 0 0

Dr.

B.—CAPITAL ACCOUNT No. 1, UNDER BIRMINGHAM

FOR THE YEAR ENDED

	Expenditure to 31st March, 1906.	Expenditure during the Year.	Total to 31st March, 1907.
	£ s. d.	£ s. d.	£ s. d.
1 To Expenditure to 31st March, 1906	2,097,859 18 8		2,097,859 18 8
<i>Total carried to Balance Sheet</i>	...	...	<u>£2,097,859 18 8</u>

Dr.

C.—CAPITAL ACCOUNT No. 2, UNDER BIRMINGHAM

FOR THE YEAR ENDED

1 To Expenditure on Elan Supply to 31st March, 1906 ...	5,665,895 1 10	...	
2 „ Expenditure since that date	...	60,815 7 3	
<i>Total carried to Balance Sheet</i>			5,726,710 9 1
3 To Amount transferred to Profit and Loss Account under Sec. 22 of the Birming- ham Corporation Water Act, 1902, to 31st March, 1906	116,063 11 0		
4 To ditto for the year ended 31st March, 1907 (<i>see Account E</i>)	...	19,615 18 11	
<i>Total carried to Balance Sheet</i>	...		135,679 9 11
5 To Expenditure on Local Works to 31st March, 1906 ...	153,917 18 3		
„ Expenditure since that date:—			
6 Extension of Works ... 4,910 2 10			
7 New Mains... 13,475 0 11			
8 New Meters.. 892 19 1			
<i>Less Depreciation as under:—</i>	...	19,278 2 10	
9 Of Temporary Plant ... 1,615 9 8			
10 Of Meters ... 643 19 10			
	...	2,259 9 6	
<i>Total carried to Balance Sheet</i>	...	17,018 13 4	170,936 11 7
To Balance of Capital Account ...	...	...	6 033,326 10 7
			29,173 9 5
			<u>£6,062,500 0 0</u>

(CORPORATION) WATER ACTS, 1875 AND 1879.

Cr.

31ST MARCH, 1907.

	Capital at 31st March, 1906.			Additions + or Reductions - during the Year.			Capital at 31st March, 1907.		
	£	s.	d.	£	s.	d.	£	s.	d.
1 By Annuities	1,255,051	2	11	- 6,778	12	11	1,248,272	10	0
2 „ Birmingham Corporation 3½ % Stock	427,319	1	0	- 1,463	12	7	425,855	8	5
3 „ Birmingham Corporation 3 % Stock	217,109	19	9	- 1,948	11	0	215,161	8	9
4 „ Birmingham Corporation 2½ % Stock	37,321	14	4	- 1,918	10	7	35,403	3	9
Total Amount Outstanding	...			...			1,924,692	10	11
5 „ Annuities redeemed and Loans repaid from Sink- ing Fund	161,058	0	8	+ 12,109	7	1	173,167	7	9
Total carried to Balance Sheet	...			...			£2,097,859	18	8

(CORPORATION) WATER ACT, 1892.

Cr.

31ST MARCH, 1907.

1 By Birmingham Corporation 3½ % Stock	35,000	0	0	...			35,000	0	0
2 „ Birmingham Corporation 3 % Stock	1,311,820	1	4	- 650	4	10	1,311,169	16	6
3 „ Birmingham Corporation 2½ % Stock	1,242,943	14	4	- 126	8	2	1,242,817	6	2
4 „ Mortgages and Loans ...	3,103,905	16	8	+ 52,556	9	2	3,156,462	5	10
5 „ Birmingham Corporation Bills	291,844	3	4	- 2,556	9	2	289,287	14	2
Total Amount Outstanding	...			...			6,034,737	2	8
6 „ Stock cancelled or trans- ferred from Sinking Fund	26,986	4	4	+ 776	13	0	27,762	17	4
Total carried to Balance Sheet	...			...			£6,062,500	0	0

Dr.

D.—REVENUE

FOR THE YEAR ENDED

1906. £	MAINTENANCE OF WORKS, AND DISTRIBUTION OF WATER.			Year to 31st March, 1907.	
		£	s. d.	£	s. d.
	OLD SUPPLY.				
	1 To Pumping, including Salaries, Wages, Coal, and Stores, at Pumping Stations	2,411	1 6		
8,364					
495	2 „ Filtration... ..	113	19 11		
	3 „ Maintenance of Engines and Boilers	1,892	11 9		
1,190					
	4 „ Maintenance of Reservoirs and Pumping Stations	1,652	16 3		
2,807					
	5 „ Introduction of Stand-by Arrangements .. ..	...		
824					
13,680				6,070	9 5
	6 „ Repairing and re-lining Erdington Reservoir ...	...		6,273	13 5
	ELAN SUPPLY.				
	7 „ Filtration and Hardening (Elan Valley)	1,634	16 3		
1,196					
	8 „ General Maintenance and Supervision of Elan Valley Works	139	10 2		
—					
	9 „ Maintenance and Super- vision of Aqueduct ...	7,409	10 9		
3,980					
	10 „ Pumping at Frankley and Monument Road ...	3,724	16 0		
3,393					
	11 „ Maintenance of Engines and Boilers at Frankley and Monument Road ...	387	6 9		
243					
1,345	12 „ Filtration (Frankley) ...	2,693	14 1		
	13 „ Maintenance of Filters (Frankley)	132	3 7		
341					
	14 „ Maintenance of Works (Frankley)	1,433	8 2		
871					
	15 „ General Working Expenses and Wages (Frankley)	812	2 10		
685					
12,054				18,367	8 7
25,734	Carried forward ...	...		30,711	11 5

ACCOUNT.

Cr.

31ST MARCH, 1907.

	Year to 31st March, 1907.			1906.
	£	s.	d.	£
1 By Water Rents	285,127	5	4	278,043
2 „ Profit on Service Laying, including £561 5s. 3d. profit in respect of Testing Water Fittings	870	16	2	—
3 „ Net Rents of Land, &c. (Old Works and Elan Aqueduct)	1,121	9	10	1,005
4 „ Net Rents of Land, &c. (Elan Estate) ...	1,732	18	1	1,672
5 „ Profit on Hydraulic Power Supplies ...	—			135
6 „ Net Receipts on Fishing	208	16	6	177
7 „ Transfer Fees	15	5	0	22
8 „ Contributions for Superannuation, 1897 Scheme	580	6	7	572
Carried forward	289,656	17	6	281,626

Dr.

D.—REVENUE

FOR THE YEAR ENDED

1906.					Year to 31st March, 1907.		
		£	s.	d.	£	s.	d.
25,734	Brought forward ...				30,711	11	5
	MAINTENANCE OF WORKS, AND DISTRIBUTION OF WATER— <i>continued.</i>						
	GENERAL.						
3,778	16 To Maintenance and Renewal of Mains and Meters ...	4,247	2	4			
1,754	17 „ Salaries	1,727	18	4			
1,976	18 „ Waste Inspection ...	1,492	12	3			
133	19 „ Pensions prior to 1897 Scheme	143	0	4			
817	20 „ Superannuation Allow- ances, 1897 Scheme ..	817	11	5			
14	21 „ Contributions for Super- annuation returned on decease or retirement of Members	20	1	6			
105	22 „ Pensions to Workmen, 1897 Scheme	239	0	6			
27	23 „ Pensions to Workmen under Amending Scheme, 1902, Optional Allowances ...	106	16	6			
12	24 „ Workmen's Compensation	54	3	3			
30,645	25 „ Rates and Taxes	30,874	9	8			
223	26 „ Rents, Tithes, Easements, and Wayleaves	162	4	10			
435	27 „ Chemical and Bacterio- logical Examination of Waters	660	11	11			
4,078	28 „ General Wages	4,335	7	4			
43,997					44,881	0	2
69,731	Carried forward ...				75,592	11	7

ACCOUNT—continued.

31st MARCH, 1907.

Cr.

		Year to 31st March, 1907.	1906.
		£ s. d.	£
Brought forward ...	...	289,656 17 6	281,626
Carried forward ...	...	£289,656 17 6	£281,626

Dr.

D.—REVENUE

FOR THE YEAR ENDED

1906. £			Year to 31st March, 1907.		
			£	s.	d.
69,731	Brought forward	...			75,592 11 7
	MANAGEMENT—				
11,222	29 To Office Salaries	... ..	11,612	16	8
508	30 „ Meter state-taking	... ..	584	12	3
65	31 „ Pensions prior to 1897 Scheme	... ..	65	0	0
183	32 „ Superannuation Allowan- ces, 1897 Scheme	... ..	153	19	9
162	33 „ Contributions for Superan- nuation returned on de- cease or retirement of Members	... ..	...
4,021	34 „ Office and Incidental Expenses	... ..	4,413	4	8
3,089	35 „ Bank Commission and Share of Loans Fund Management Expenses...	... ..	3,063	17	4
1,664	36 „ Abatements	... ..	1,681	3	2
412	37 „ Bad Debts	... ..	265	5	6
224	38 „ Law and Professional Charges	... ..	123	18	4
21,550					21,963 17 8
200	39 „ Agreed Share of Costs of obtaining the Bir- mingham Corporation Act, 1905, which contains “Water” Clauses	... ..			64 18 4
200	40 „ Loss on Service Laying	... ..			—
—	41 „ Loss on Hydraulic Power Supplies	... ..			17 4 5
91,681					97,638 12 0
189,945	„ Balance carried to Profit & Loss Account (E)				192,018 5 6
281,626					£289,656 17 6

Gr.

[illegible]

Dr.

E.—PROFIT AND

FOR THE YEAR ENDED

1906. £		Year to 31st March, 1907.		
		£	s.	d.
50,485	1 To Annuities	50,110	19	1
	2 „ INTEREST UNDER ACTS 1875 AND 1879.			
	On Birmingham Corporation Stock (including share of costs of issue) ...	23,288	2	0
23,441	3 „ INTEREST UNDER ACT 1892.			
	On Mortgages and Loans	101,124	10	8
96,085	On Birmingham Corporation Stock (including share of costs of issue)	75,694	7	9
75,717	Discount on issue of Birmingham Corporation Bills	10,576	3	11
8,978				
180,780	4 „ REDEMPTION OF DEBT.			
	Sinking Fund for Extinction of Annuities ...	10,510	10	9
10,229	Corporation Loans Fund for Redemption of Stock:			
	3½ % 1,463 12 7			
	3 % 2,598 15 10			
	2½ % 2,044 18 9			
5,902		6,107	7	2
16,131				
	5 „ Bank Interest	10	0	8
311	6 „ Reserve in respect of Forged Transfers Act, 1891	250	0	0
250				
<u>£271,398</u>		£ 277,672	2	0

LOSS ACCOUNT.

Cr.

31st MARCH, 1907.

		Year to 31st March, 1907.		1906. £
		£	s. d.	
1	By Balance of Revenue Account (D) ...	192,018	5 6	189,945
2	„ Hydraulic Power Account in respect of Capital Charges relative to the Hydraulic Installation, viz. :—			
	Interest under Acts 1875 and 1879 ...	274	1 7	
	Interest under Act 1892	272	11 10	
	Sinking Fund ...	491	4 2	
		1,037	17 7	1,033
3	„ Contribution from Borough Fund and Rate Account .	65,000	0 0	
4	„ Transfer from Capital Account (C) under Section 22 of the Birmingham Corpora- tion Water Act, 1902 ...	19,615	18 11	
		84,615	18 11	80,420
		£ 277,672	2 0	£271,398

Dr.

F.—HYDRAULIC

FOR THE YEAR ENDED

1906. £		Year to 31st March, 1907.		
		£	s.	d.
97	1 To Ground Rent	96	15	0
203	2 „ Poor and Improvement Rates on Buildings	303	2	6
428	3 „ Wages at Station	435	11	4
289	4 „ Gas	224	14	1
59	5 „ Stores, &c.	73	2	1
18	6 „ Repairs to Buildings	—		
—	7 „ Repairs to Engines	32	0	0
—	8 „ Cleaning and Painting Station	59	5	0
265	9 „ Water (10,266,000 Gallons at 6d. per 1,000)	256	13	0
1,359		1,481	3	0
1,168	10 „ Balance carried forward	1,020	13	2
2,527		£ 2,501	16	2
11 To Interest on Capital Outlay, viz :—				
	On Balance outstanding—	£	s.	d.
288	Under Acts 1875 and 1879, £9,135 19s. 5d.	274	1	7
268	Under Act 1892, £9,098 9s. 10d.	272	11	10
477	Sinking Fund	491	4	2
1,033		1,037	17	7
135	12 „ Balance for the Year carried to Revenue Account (D)	—		
1,168		£ 1,037	17	7

Tr.

Tr.

[illegible]

Dr.

G.—SINKING FUND FOR

FOR THE YEAR ENDED

		£	s.	d.
1 To Balance brought from last Account	... ..	11,058	2	10
2 „ Purchase of Annuities for Redemption (capitalised at 25 years' purchase) as per Capital Account B	... .. 6,778 12 11			
3 „ Premiums on Annuities redeemed	... .. 1,414 9 8			
		8,193	2	7
		<u>£19,251</u>	<u>5</u>	<u>5</u>

Dr

H.—BALANCE SHEET,

	£	s.	d.	£	s.	d.
1 To Capital Account No. 1, as per Account B				2,097,859	18	8
2 „ Capital Account No. 2, as per Account C				6,062,500	0	0
3 „ Reserve in respect of Forged Transfers Act, 1891				750	0	0
4 „ Annuities accrued to date	12,482	14	6			
5 „ Interest accrued and unpaid	57,955	0	8			
6 „ Trade Creditors :—						
On Capital Account ..	2,926	5	8			
On Revenue Account...	18,247	16	8			
	<u>21,174</u>	<u>2</u>	<u>4</u>	91,611	17	6
7 „ Treasurer of the City :—						
On Revenue Account	55,649	18	8			
On Sinking Fund Account	8,740	14	8			
				64,390	13	4
				<u>£8,317,112</u>	<u>9</u>	<u>6</u>

E. ANTONY LEES,

30th April, 1907.

Secretary.

Gr.

£ s. d.

£19,251 5 5

Qr.

£8,317,112 9 6

Auditors

TO 31ST MARCH, 1906, AND 1907.

	1907.	Totals for 1907.	Increase.	Decrease.	Percentage. Increase. + Decrease -
DOMESTIC SUPPLIES	s. d.	£ s. d.	£ s. d.	£ s. d.	
Domestic—no	16 1		3,210 0 7		2·21 +
Ditto e	3 3			74 15 2	0·51 -
Baths ...	7 0		484 3 6		6·50 +
Garden and	10 3		439 9 9		55·57 +
TOTALS FROM		172,302 16 7	4,058 18 8		2·41 +
UNMEASURED SUPPLIES					
Trade Suppl	13 9		415 5 8		3·09 +
Lock-up Shop	4 0		85 3 3		1·70 +
Churches, Ch	8 9		12 9 6		1·72 +
*Public-houses	3 12 0			114 12 9	1·77 -
Unmeasured	3 17 6			186 2 1	18·06 -
TOTALS FROM		26,845 16 0	212 3 7		0·79 +
MEASURED SUPPLIES					
Trade Suppl	1 19 7		2,409 4 5		3·84 +
Railways, St	3 13 2		403 17 8		3·59 +
TOTALS FROM		85,978 12 9	2,813 2 1		3·38 +
TOTAL		285,127 5 4	7,084 4 4		2·55 +

s are supplied by Meter.

I.—COMPARATIVE ANALYSIS OF THE RENTALS FOR THE YEARS, TO 31ST MARCH, 1906, AND 1907

	1905.	1906.	Totals for 1906.	1907.	Totals for 1907.	Increase.	Decrease.	Percentage. Increase. + Decrease -
	£	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	
DOMESTIC SUPPLIES.								
Domestic—not exceeding £50 net annual value	142,115	145,249 15 6		148,459 16 1		3,210 0 7		2·21 +
Ditto exceeding ditto ditto	14,832	14,749 18 5		14,675 3 3			74 15 2	0·51 -
Baths	6,925	7,454 3 6		7,938 7 0		484 3 6		6·50 +
Garden and Hose Pipe Watering	—	790 0 6		1,229 10 3		439 9 9		55·57 +
TOTALS FROM DOMESTIC SUPPLIES	163,872		168,243 17 11		172,302 16 7	4,058 18 8		2·41 +
UNMEASURED TRADE AND MISCELLANEOUS SUPPLIES.								
Trade Supplies	13,601	13,420 8 1		13,835 13 9		415 5 8		3·09 +
Lock-up Shops, Offices and Warehouses	4,794	5,000 0 9		5,085 4 0		85 3 3		1·70 +
Churches, Chapels and Schools	681	691 19 3		704 8 9		12 9 6		1·72 +
*Public-houses	6,592	6,491 4 9		6,376 12 0			114 12 9	1·77 -
Unmeasured Supplies for Building Purposes... ..	874	1,029 19 7		843 17 6			186 2 1	18·06 -
TOTALS FROM UNMEASURED TRADE AND MISCELLANEOUS SUPPLIES	26,542		26,633 12 5		26,845 16 0	212 3 7		0·79 +
MEASURED SUPPLIES.								
Trade Supplies	67,412	71,922 15 2		74,331 19 7		2,409 4 5		3·84 +
Railways, Street and Road Watering, Markets, &c.	10,719	11,242 15 6		11,646 13 2		403 17 8		3·59 +
TOTALS FROM MEASURED SUPPLIES	78,131		83,165 10 8		85,978 12 9	2,813 2 1		3·38 +
TOTAL RENTAL... ..	268,545		278,043 1 0		285,127 5 4	7,084 4 4		2·55 +

* The figures in this line refer to the unmeasured supplies only. Many Public-houses are supplied by Meter.

SUPPLIES.

Rents.	Value.	Water Rents.	Number of Houses, 31st March, 1906.	Number of Houses, 31st March, 1907.
--------	--------	--------------	--	--

OCCUPIERS—*continued.*

WEEKLY RENT	forward	...	...	170,596	173,624
2/9					
3/6	or in part for domestic				
	on net annual value—				
4/3	...	...	...	367	371
5/-	...	...	...	49	49
5/9	...	...	...	251	242
6/6	...	...	...	2,078	2,079
6/9					
8/-	HOUSES IN SUPPLY	...		173,341	176,365

9/6

BATHS.

K.—RETURN OF UNMEASURED SUPPLIES.

Rents.	Net Annual Value.	Water Rents.	Number of H uses, 31st March, 1906.	Number of Houses, 31st March, 1907.	Rents.	Net Annual Value.	Water Rents.	Number of Houses, 31st March, 1906.	Number of Houses, 31st March, 1907.
LANDLORDS.					OCCUPIERS—continued.				
WEEKLY RENTS.	£ s. d.				Brought forward			170,596	173,624
2/9	5 0 0	6/-	864	845	Supplies used wholly or in part for domestic purposes. Percentage on net annual value—				
3/6	7 10 0	8/-	16,159	15,895	3 per cent.			367	371
4/3	7 10 0	8/-	9,974	9,502	4 per cent.			49	49
5/-	10 0 0	10/-	32,908	33,209	5 per cent.			251	242
5/9	10 0 0	10/-	14,001	14,497	6 per cent			2,078	2,079
6/6	12 10 0	15/-	32,014	33,096					
6/9	12 10 0	16/6	10,907	10,869	TOTAL NUMBER OF HOUSES IN SUPPLY ...			173,341	176,365
8/-	12 10 0	16/6	7,645	8,143	BATHS.				
9/6	15 0 0	20/-	9,525	9,937	ANNUAL RENT OF HOUSES.	Net Annual Charge.	Annual Charge.		
10/-	17 10 0	22/-	6,575	6,557	£	£ s. d.			
ANNUAL RENTS.	£				25	20 0 0	24/-	4,338	4,349
25	20 0 0	24/-	4,338	4,349	...	10 0 0	4/-	23	23
30	25 0 0	29/6	2,643	2,591	30	25 0 0	6/-	12,709	14,180
35	30 0 0	35/6	1,057	1,040	60	50 0 0	8/-	6,617	6,851
40	35 0 0	41/6	467	446	Ex: 60	Ex: 50 0 0	10/-	2,260	2,296
50	40 0 0	47/6	298	292					
60	50 0 0	57/-	175	169	TOTAL NUMBER OF BATHS			21,609	23,350
OCCUPIERS.					GARDEN AND HOSE PIPE WATERING.				
WEEKLY RENTS.	£ s. d.						Annual Charge.		
5/6	12 10 0	16/-	402	413	Hose Pipes		10/-	1,381	1,827
6/9	15 0 0	24/-	612	657	Garden Taps		5/-	1,089	1,335
7/9	17 10 0	27/-	1,604	1,713				2,470	3,162
9/-	20 0 0	30/-	2,674	3,098	MISCELLANEOUS UNMEASURED SUPPLIES.				
10/-	25 0 0	38/-	2,530	2,515	Lock-up Shops, Offices, and Warehouses ...			2,657	2,719
ANNUAL RENTS.	£				Trade and Sundry Charges other than Domestic			10,507	10,527
30	25 0 0	38/-	4,315	4,738	*Full Licensed and Beer Houses			1,489	1,450
35	30 0 0	45/-	2,679	2,740	Churches, Chapels, Sunday and Day Schools...			284	288
40	35 0 0	52/-	2,273	2,323	Fire Hydrants and Fire Cocks			1,516	1,600
50	40 0 0	57/-	2,485	2,530					
60	50 0 0	60/-	1,472	1,460					
Carried forward			170,596	173,624				16,453	16,584

Unmeasured Supplies only.

SUPPLIES.

Rents.	Value.	Water Rents.	Number of Houses, 31st March, 1906.	Number of Houses, 31st March, 1907.
--------	--------	--------------	--	--

OCCUPIERS—*continued.*

WEEKLY RENT	forward	...	...	170,596	173,624
2/9					
3/6	r in part for domestic				
	e on net annual value—				
4/3	...	...	...	367	371
5/-	...	...	...	49	49
5/9	...	...	...	251	242
6/6	...	...	...	2,078	2,079
6/9					
8/-	HOUSES IN SUPPLY	...		173,341	176,365
9/6					

BATHS.

K.—RETURN OF UNMEASURED SUPPLIES.

Rents.	Net Annual Value.	Water Rents.	Number of H uses, 31st March, 1906.	Number of Houses, 31st March, 1907.	Rents.	Net Annual Value.	Water Rents.	Number of Houses, 31st March, 1906.	Number of Houses, 31st March, 1907.
LANDLORDS.					OCCUPIERS—continued.				
WEEKLY RENTS.	£ s. d.				Brought forward			170,596	173,624
2/9	5 0 0	6/-	864	845	Supplies used wholly or in part for domestic purposes. Percentage on net annual value—				
3/6	7 10 0	8/-	16,159	15,895	3 per cent.			367	371
4/3	7 10 0	8/-	9,974	9,502	4 per cent.			49	49
5/-	10 0 0	10/-	32,908	33,209	5 per cent.			251	242
5/9	10 0 0	10/-	14,001	14,497	6 per cent.			2,078	2,079
6/6	12 10 0	15/-	32,014	33,096					
6/9	12 10 0	16/6	10,907	10,869	TOTAL NUMBER OF HOUSES IN SUPPLY ...			173,341	176,365
8/-	12 10 0	16/6	7,645	8,143	BATHS.				
9/6	15 0 0	20/-	9,525	9,937	ANNUAL RENT OF HOUSES.	Net Annual Charge.	Annual Charge.		
10/-	17 10 0	22/-	6,575	6,557	£	£ s. d.			
ANNUAL RENTS.	£				...	10 0 0	4/-	23	23
25	20 0 0	24/-	4,338	4,349	30	25 0 0	6/-	12,709	14,180
30	25 0 0	29/6	2,643	2,591	60	50 0 0	8/-	6,617	6,851
35	30 0 0	35/6	1,057	1,040	Ex: 60	Ex: 50 0 0	10/-	2,260	2,296
40	35 0 0	41/6	467	446					
50	40 0 0	47/6	298	292	TOTAL NUMBER OF BATHS			21,609	23,350
60	50 0 0	57/-	175	169	GARDEN AND HOSE PIPE WATERING.				
OCCUPIERS.						Annual Charge.			
WEEKLY RENTS.	£ s. d.				Hose Pipes	10/-	1,381	1,827	
5/6	12 10 0	16/-	402	413	Garden Taps	5/-	1,089	1,335	
6/9	15 0 0	24/-	612	657			2,470	3,162	
7/9	17 10 0	27/-	1,604	1,713	MISCELLANEOUS UNMEASURED SUPPLIES.				
9/-	20 0 0	30/-	2,674	3,098	Lock-up Shops, Offices, and Warehouses ...		2,657	2,719	
10/-	25 0 0	38/-	2,530	2,515	Trade and Sundry Charges other than Domestic		10,507	10,527	
ANNUAL RENTS.	£				*Full Licensed and Beer Houses		1,489	1,450	
30	25 0 0	38/-	4,315	4,738	Churches, Chapels, Sunday and Day Schools...		284	288	
35	30 0 0	45/-	2,679	2,740	Fire Hydrants and Fire Cocks		1,516	1,600	
40	35 0 0	52/-	2,273	2,323					
50	40 0 0	57/-	2,485	2,530					
60	50 0 0	60/-	1,472	1,460					
Carried forward			170,596	173,624			16,453	16,584	

L.—STATEMENT OF DISTRIBUTION OF WATER IN DISTRICTS.

QUANTITY STATED IN MILLIONS OF GALLONS.

YEAR	Quantity distributed by Gravitation.	Quantity distributed by Pumping.	Total Quantity Distributed.	Daily Average Distribution.	TOTAL DISTRIBUTION IN DISTRICTS.			NATURE OF TOTAL CONSUMPTION.	
					Low Level.	Middle Level.	High Level.	Measured.	Domestic, Unmeasured Trade Supplies, and Waste.
To Mar. 31 1896	...	5,794	5,794	15·917	2,035	2,841	918	987	4,807
1897	...	5,971*	5,971*	16·094	2,095	2,889	987	1,108	4,863
1898	...	5,888	5,888	16·178	1,804	2,952	1,132	1,315	4,573
1899	...	6,265	6,265	17·212	1,992	3,075	1,198	1,386	4,879
1900	...	6,639	6,639	18·239	2,032	3,367	1,240	1,498	5,141
1901	..	6,516	6,516	17·901	1,886	3,358	1,272	1,596	4,920
1902	...	6,785	6,785	18·640	2,071	3,421	1,293	1,632	5,153
1903	...	6,672	6,672	18·332	2,074	3,302	1,296	1,578	5,094
1904	...	6,683*	6,683*	18·013	1,985	3,326	1,368	1,590	5,093
1905	1,195	5,433	6,636	18·230	1,808	3,359	1,465	1,631	5,005
1906	3,739	2,743	6,482	17·807	1,881	3,013	1,588	1,773	4,709
1907	4,978	1,832	6,810	18·708	1,950	3,123	1,737	1,813	4,997

* 53 weeks.

M.—ESTIMATED AVERAGE CONSUMPTION PER HEAD PER DAY.
YEAR ENDED MARCH 31st.

	1902. 18·640 m. g.	1903. 18·332 m. g.	1904. 18·013 m. g.	1905. 18·230 m. g.	1906. 17·807 m. g.	1907. 18·708 m. g.
Total average consumption per day ...						
Estimated average population in supply for the year, based on 4·5 persons per house on the average number of houses in supply ...	709,483	727,017	743,611	758,637	772,877	786,838
Average gross consumption per head per day ...	26·27 galls.	25·21 galls.	24·22 galls.	24·03 galls.	23·04 galls.	23·78 galls.
Average consumption per head per day for Measured Trade Supplies, and for Railways, Street and Road Watering, Markets, &c. ...	6·32 galls.	5·96 galls.	5·76 galls.	5·91 galls.	6·30 galls.	6·33 galls.
Estimated average consumption per head per day for Unmeasured Trade Supplies, calculated on the basis of the rental, reckoning 6d. (the minimum meter rate) to represent 1,000 gallons	4·07 galls.	4·01 galls.	3·86 galls.	3·84 galls.	3·79 galls.	3·75 galls.
Net estimated consumption per head per day for Domestic, Fire, and Waste ...	15·88 galls.	15·24 galls.	14·60 galls.	14·28 galls.	12·95 galls.	13·70 galls.

N.—STATEMENT OF THE YEARLY EXPENDITURE OF CAPITAL.

Year.	MAINS.		Works and Buildings, less Depreciation.	Meters, less Depreciation.	Elan Supply.	Capitalisation under Section 22, Act, 1902.	Totals for Year.	Total to Date.
	Length in Miles.	Cost.	£	£	£	£	£	£
At Dec. 31, 1875	252·448	—	—	—	—	—	—	1,523,123
Jan. 1, 1876, to 31 Mar., 1895	279·700	242,961	331,635	2,368	499,550	—	1,076,514	2,599,637
To 31 Mar., 1896	11·170	5,783	2,124	832	186,851	—	195,590	2,795,227
1897	17·260	7,836	3,372	1,393	255,921	—	268,522	3,063,749
1898	22·489	16,333	9,468	1,256	366,727	—	393,584	3,457,333
			-200*					
1899	17·125	14,169	6,295	391	515,699	—	533,279	3,990,612
		-1,000*	-2,275*					
1900	17·910	7,571	3,271	220	707,493	—	714,155	4,704,767
		-1,150*	-8,250*					
1901	10·995	6,427	2,853	329	924,680	—	930,439	5,635,206
		-540*	-3,310*					
1902	14·076	9,744	1,415	257†	987,874	—	995,082	6,630,288
		-110*	-8,584*					
1903	16·906	12,673	1,066	209†	458,301	—	469,208	7,099,496
			-2,623*					
1904	18·740	19,526	1,364	467	352,895	33,818	406,247	7,505,743
			-1,823*					
1905	21·970	15,779	5,845	47	283,514	46,826	350,784	7,856,527
		-200*	-1,027*					
1906	19·430	11,861	4,893	439	126,389	35,420	177,210	8,033,737
			-1,792*					
1907	17·950	13,475	4,910	249	60,815	19,616	97,450	8,131,187
			-1,615*					
	738·169	381,138	357,012	7,525	5,726,709	135,680	6,608,064	

* Depreciation of Temporary Mains and Works.

† Depreciation exceeds purchases.

LIBRARY
OF THE
UNIVERSITY OF ILLINOIS

		Total	Reserve under Forged Transfers Act, 1891.	NET RESULT.	
Contributions for Superannuation 1897 Scheme.				Profit.	Loss.
10			16	17	18
£			£	£	£
—	1,6		—	61,926	28,242
—	1		—	936	—
—	1		—	3,612	—
—	1		—	4,091	—
—	1		—	26,923	—
—	18		—	12,227	—
—	18		—	17,718	—
—	20		—	25,812	—
—	21		—	28,654	—
577	22		—	15,409	—
589	23		—	—	6,479
594	24		—	—	32,737
612	25		—	—	65,119
574	25		—	—	80,039
583	26		—	—	85,057
576	27		250	—	91,826
572	27		250	—	80,420
580	28		250	—	84,616
5,257	5,37		750	197,308	554,535

○.—SUMMARY OF THE ACCOUNTS OF THE DEPARTMENT FROM 1876.

YEAR.	WATER RENTS.	REVENUE FROM VARIOUS MINOR SOURCES.									Total Revenue.	Working Expenses.	Gross Profit.	CAPITAL CHARGES.		Reserve under Forged Transfers Act, 1891.	NET RESULT.	
		Unmeasured Supplies for Building Purposes.	Service Laying.	Testing Fittings.	Net Rents of Lands, etc.	Net Rents of Lands, etc. (Elan Estate.)	Profit on Hydraulic Power Supplies.	Fishing Subscriptions and Tickets.	Transfer Fees.	Contributions for Superannuation 1897 Scheme.				Under Acts 1875 and 1879.	Under Act 1892.		Profit.	Loss.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
	£	£	£	£	£	£	£	£	£	£	£	£	£	£	£	£	£	£
Totals, 1st Jan., 1876, to 31st Mar., 1890 ... }	1,634,923	1,076	21,174	121	6,838	—	—	1,193	207	—	1,665,592	568,714	1,096,818	1,063,134	—	—	61,926	28,242
1890-1891 ...	134,594	541	923	136	509	—	—	248	13	—	136,964	53,709	83,255	82,319	—	—	936	—
1891-92 ...	139,684	563	657	124	313	—	—	296	19	—	141,656	53,677	87,979	84,367	—	—	3,612	—
1892-93 ...	142,505	678	386	158	510	—	—	282	22	—	144,541	53,470	91,071	85,304	1,676	—	4,091	—
1893-94 ...	175,286	631	1,264	174	454	—	—	289	18	—	178,116	58,804	119,312	85,294	7,095	—	26,923	—
1894-95 ...	178,828	543	243	184	1,149	—	—	253	20	—	181,220	70,374	110,846	85,648	12,971	—	12,227	—
1895-96 ...	186,870	688	855	152	1,081	—	—	205	19	—	189,870	69,779	120,091	85,056	17,317	—	17,718	—
1896-97 ...	199,132	773	723	128	1,017	—	—	270	16	—	202,059	69,311	132,748	85,083	21,853	—	25,812	—
1897-98 ...	210,920	1,001	1,034	191	428	—	—	188	17	—	213,779	69,908	143,871	85,152	30,065	—	28,654	—
1898-99 ...	220,452	1,135	1,343	417	784	—	—	195	19	577	224,922	79,488	145,434	86,930	43,095	—	15,409	—
1899-1900 ...	229,796	1,191	954	528	572	—	20	172	21	589	233,843	87,611	146,232	89,137	63,574	—	—	6,479
1900-01 ...	240,110	856	346	304	688	—	32	102	20	594	242,988	97,152	145,836	88,548	90,025	—	—	32,737
1901-02 ...	250,538	944	475	308	621	—	162	126	17	612	253,743	110,785	142,958	89,006	119,071	—	—	65,119
1902-03 ...	254,934	1,063	133	581	837	—	104	63	19	574	258,308	108,418	149,890	88,815	141,114	—	—	80,039
1903-04 ...	260,841	971	395	539	635	—	138	115	26	583	264,243	106,718	157,525	88,660	153,922	—	—	85,057
1904-05 ...	267,671	874	45	516	473	—	155	246	21	576	270,577	105,668	164,909	88,715	167,770	250	—	91,826
1905-06 ...	277,013	1,030	797	598	1,005	—	134	177	22	572	279,754	91,481	188,273	88,538	179,905	250	—	80,420
1906-07 ...	284,283	844	310	561	1,122	1,733	17	209	15	580	289,640	97,622	192,018	88,475	187,909	250	—	84,616
	5,288,380	15,402	30,463	5,720	19,036	1,733	604	4,629	531	5,257	5,371,755	1,952,689	3,419,066	2,538,181	1,237,362	750	197,308	554,535

28.1
353
1908

R 44. 26/5/08.

City of Birmingham.

REPORT

OF THE

WATER COMMITTEE

FOR PRESENTATION AT THE

SPECIAL MEETING OF THE COUNCIL,

TO BE HELD ON

TUESDAY, MAY 26th, 1908.

BIRMINGHAM:

PERCIVAL JONES LIMITED, PRINTERS, 87-89, EDMUND STREET.

1908.



24111

R 44. 26/5/08.

CITY OF BIRMINGHAM.

Report

OF THE

WATER COMMITTEE,

FOR PRESENTATION AT THE

SPECIAL MEETING OF THE COUNCIL TO BE

HELD ON TUESDAY, MAY 26TH, 1908.

MEETINGS.

The Committee have, since their last Report, held eight Meetings.

The Lord Mayor attended seven of such Meetings.

					Attended.	Absent.
Mr. Alderman Beale	...	...	...	...	8	0
"	"	Clayton	...	...	7	1
"	"	Hunt	...	...	7	1
"	"	Lloyd	...	...	7	1
Mr. Councillor Barber	...	...	...	...	8	0
"	"	Crompton	...	...	1	0
"	"	Freeman	...	...	8	0
"	"	Martineau	...	...	8	0

APPOINTMENT OF CHAIRMAN.

The chairmanship of the Committee became vacant owing to the much regretted death of Alderman Lawley Parker, which took place on March 12th last, and your Committee have elected Alderman Beale to fill the office.

ACCOUNTS.

Your Committee submit herewith the Accounts and Balance Sheet for the year ended March 31st, 1908.

The water rents show an increase of £2,548, being .89 per cent. over the total for the previous year, against an increase of 2.55 per cent. in the last account. The analysis of the rental given in Table "I" shows that the domestic rental has increased to the extent of 2.17 per cent., against 2.41 per cent. in the previous year. The measured supplies for trade show a small increase of .74 per cent., while there is a reduction of 13.27 per cent in the supplies for street and road watering and other public and semi-public uses, producing a net decrease of 1.15 per cent. on the measured supplies as a whole.

The decrease in the yield from measured supplies is due partly to a distinct check in the growth in the demand for trade purposes, but is mainly attributable to the very much lessened demand for water last summer in connection with street and road watering, which the Committee referred to in their Report presented in December last.

The Revenue Account, notwithstanding the disappointing yield from water rents, shows a gross profit of £198,551, being an increase of £6,533 over the corresponding figure for last year.

The charges on account of Capital, shown in the Profit and Loss Account, amount to a net total of £280,493, and

result in a deficiency for the year of £81,941 14s. 5d., against a corresponding sum of £84,615 18s. 11d. The deficiency has been covered by :—

	£	s.	d.
Contribution from Borough Fund and Rate Account	65,000	0	0
Transfer to cover the Balance, from Capital Account (C) under Section 22 of the Birmingham Corporation Water Act, 1902	16,941	14	5
	<u>£81,941</u>	<u>14</u>	<u>5</u>

As regards the estimate for the coming year, your Committee have requested the Finance Committee to provide from the Rates the sum of £65,000, being the same amount as in the account now presented.

CONSUMPTION OF WATER.

The usual returns relative to the consumption of water during the year to March 31st are submitted with this Report. The average daily distribution for the whole year has been 18·549 million gallons, as against 18·708 in the previous year, being a decrease of ·85 per cent. The difference distributed over the several zones shows the following percentages :—

Low Level Zone	..	·92 per cent. (decrease)
Middle Level Zone	... 1·73	„ „ (decrease)
High Level Zone	... ·81	„ „ (increase)

The measured supplies show a decrease of 3·75 per cent. in quantity, against the decrease of 1·15 per cent. in money already noted. The unmeasured supplies show an increase of ·22 per cent.

ARTILLERY RANGE ON ELAN WATERSHED.

Your Committee have to report that they have renewed for the coming season the arrangement with the War Office for firing with long-range guns over the upper portion of the Elan Watershed.

FRANKLEY WORKS.

The new filtered water reservoir at Frankley, the letting of the contract for which was reported by your Committee on December 4th, 1906, has now been completed and brought into use. The total cost has been £30,958 4s. 0d., against the contract price of £27,887 13s. 9d.

The excess cost has arisen through the ground proving less favourable than was anticipated, owing chiefly to the unexpected presence of rock in the bottom.

RAINFALL.

The rainfall on the Elan watershed on the average of the six gauges, and at Witton and Whitacre, during the past ten years has been as under :—

Year.			Witton.	Whitacre.	Average of Gauges in Elan Valley.
			Inches.	Inches.	Inches.
1898	...	...	21·65	21·58	58·98
1899	...	...	25·30	24·31	61·67
1900	...	...	29·26	33·02	63·04
1901	...	...	22·58	24·38	56·35
1902	...	...	24·58	25·78	50·94
1903	...	...	29·88	33·35	87·14
1904	...	...	20·09	23·58	51·80
1905	...	...	19·67	21·61	54·39
1906	...	...	24·54	24·98	67·59
1907	...	...	27·80	28·91	61·36
Average for the ten years }			24·53	26·15	61·32

A.—STATEMENT OF AUTHORISED CAPITAL.

ON THE 31ST MARCH, 1908.

1	2	3	4
Description.	Total Amounts Borrowed and Liability on Annuities at 31st March, 1908.	Remaining to be Borrowed.	Total Amount Authorised.
<hr/>			
UNDER BIRMINGHAM (CORPORATION) WATER ACTS, 1875 AND 1879.	£ s. d.		
Annuities			
(Capitalised at 25 years' purchase)	1,241,817 1 8		
Birmingham Corporation 3½% Stock	424,332 13 3		
Ditto ditto 3% Stock	213,144 17 10		
Ditto ditto 2½% Stock	33,422 6 1		
Total amount outstanding	£1,912,716 18 10		
Annuities redeemed, Stock cancelled or transferred, and Loans repaid from Sinking Fund	185,142 19 10		
	£2,097,859 18 8		£2,097,859 18 8
<hr/>			
UNDER BIRMINGHAM (CORPORATION) WATER ACT, 1892.	£ s. d.		
Birmingham Corporation 3½% Stock	35,000 0 0		
Ditto ditto 3% Stock	1,310,500 4 6		
Ditto ditto 2½% Stock	1,242,687 14 9		
Loans	3,595,750 0 0		
Total amount outstanding	£6,183,937 19 3		
Stock cancelled or transferred from Sinking Fund	28,562 0 9		
	£6,212,500 0 0	£387,500 0 0	£6,600,000 0 0

Dr.

B.—CAPITAL ACCOUNT No. 1, UNDER BIRMINGHAM
FOR THE YEAR ENDED

	Expenditure to 31st March, 1907.	Expenditure during the Year.	Total to 31st March, 1908.
	£ s. d.	£ s. d.	£ s. d.
1 To Expenditure to 31st March, 1907	2,097,859 18 8		2,097,859 18 8
<i>Total carried to Balance Sheet</i>	...	...	<u>£2,097,859 18 8</u>

Dr.

C.—CAPITAL ACCOUNT No. 2, UNDER BIRMINGHAM
FOR THE YEAR ENDED

1 To Expenditure on Elan Supply to 31st March, 1907 ...	5,726,710 9 1	...	
2 „ Expenditure since that date	...	36,142 16 5	
<i>Total carried to Balance Sheet</i>			5,762,853 5 6
3 To Amount transferred to Profit and Loss Account under Sec. 22 of the Birming- ham Corporation Water Act, 1902, to 31st March, 1907	135,679 9 11		
4 Ditto, for the year ended 31st March, 1908, see Account “E”		16,941 14 5	
<i>Total carried to Balance Sheet</i>			152,621 4 4
5 To Expenditure on Local Works to 31st March, 1907 ...	170,936 11 7		
„ Expenditure since that date:—			
6 Extension of			
Works ... 3,494 10 7			
7 New Mains ... 13,357 16 11			
8 New Meters... 919 3 5			
<i>Less Depreciation as under:—</i>	...	17,771 10 11	
9 Of Temporary			
Plant .. 1,912 17 1			
10 Of Meters ... 653 11 5			
	...	2,566 8 6	
<i>Total carried to Balance Sheet</i>	...	15,205 2 5	186,141 14 0
To Balance of Capital Account	...	...	6,101,616 3 10
			110,883 16 2
			<u>£6,212,500 0 0</u>

(CORPORATION) WATER ACTS, 1875 AND 1879.

Cr.

31ST MARCH, 1908.

	Capital at 31st March, 1907.			Additions + or Reductions - during the Year.			Capital at 31st March, 1908.		
	£	s.	d.	£	s.	d.	£	s.	d.
1 By Annuities	1,248,272	10	0	- 6,455	8	4	1,241,817	1	8
2 „ Birmingham Corporation 3½ % Stock	425,855	8	5	- 1,522	15	2	424,332	13	3
3 „ Birmingham Corporation 3 % Stock	215,161	8	9	- 2,016	10	11	213,144	17	10
4 „ Birmingham Corporation 2½ % Stock	35,403	3	9	- 1,980	17	8	33,422	6	1
Total Amount Outstanding	...			...			1,912,716	18	10
5 „ Annuities redeemed and Stock cancelled from Sinking Fund	173,167	7	9	+ 11,975	12	1	185,142	19	10
Total carried to Balance Sheet	...			...			£2,097,859	18	8

(CORPORATION) WATER ACT, 1892.

Cr.

31ST MARCH, 1908.

1 By Birmingham Corporation 3½ % Stock	35,000	0	0				35,000	0	0
2 „ Birmingham Corporation 3 % Stock	1,311,169	16	6	- 669	12	0	1,310,500	4	6
3 „ Birmingham Corporation 2½ % Stock	1,242,817	6	2	- 129	11	5	1,242,687	14	9
4 „ Mortgages and Loans ...	3,156,462	5	10	+ 439,287	14	2	3,595,750	0	0
5 „ Birmingham Corporation Bills	289,287	14	2	- 289,287	14	2			
Total Amount Outstanding	...			...			6,183,937	19	3
6 „ Stock cancelled or trans- ferred from Sinking Fund	27,762	17	4	+ 799	3	5	28,562	0	9
Total carried to Balance Sheet ... ..	...			...			£6,212,500	0	0

Dr.

D.—REVENUE

FOR THE YEAR ENDED

1907. £	MAINTENANCE OF WORKS, AND DISTRIBUTION OF WATER.				Year to 31st March, 1908.		
		£	s.	d.	£	s.	d.
	OLD SUPPLY.						
	1 To Pumping, including Salaries, Wages, Coal, and Stores, at Pumping Stations	2,411			344	9	8
	2 „ Filtration... ..	114			...		
	3 „ Maintenance of Engines and Boilers	1,892			3,432	16	11
	4 „ Maintenance of Reservoirs and Pumping Stations	1,653			2,540	0	5
	5 „ Repairing and re-lining Erdington Reservoir ...	6,274			...		
12,344							6,317 7 0
	ELAN SUPPLY.						
	6 „ Filtration and Hardening (Elan Valley)	1,635			3,047	12	4
	7 „ General Maintenance and Supervision of Elan Valley Works	140			807	13	11
	8 „ Administration of Elan Village	—			110	9	10
	9 „ Maintenance and Super- vision of Aqueduct ...	7,410			6,370	7	6
	10 „ Pumping at Frankley and Monument Road ...	3,725			3,967	18	3
	11 „ Maintenance of Engines and Boilers at Frankley and Monument Road ...	387			494	19	7
	12 „ Filtration (Frankley) ...	2,694			1,807	12	4
	13 „ Maintenance of Filters (Frankley)	132			31	0	6
	14 „ Maintenance of Works (Frankley)	1,433			797	3	5
	15 „ General Working Expenses and Wages (Frankley)	812			791	0	8
18,368							18,225 18 4
30,712	Carried forward ...			...			24,543 5 4

ACCOUNT.

Cr.

31st MARCH, 1908.

	Year to 31st March, 1908.			1907.
	£	s.	d.	£
1 By Water Rents	287,675	0	9	285,127
2 „ Profit on Laying and Maintenance of Services and Testing Water Fittings ...	...			871
3 „ Net Rents of Land, &c. (Old Works and Elan Aqueduct)	1,017	11	11	1,122
4 „ Net Rents of Land, &c. (Elan Estate) ...	1,746	11	4	1,733
5 „ Net Receipts on Fishing	222	0	2	209
6 „ Transfer Fees	18	5	0	15
7 „ Contributions for Superannuation, 1897 Scheme	588	2	5	580
Carried forward	291,267	11	7	£289,657

Dr.

D.—REVENUE

FOR THE YEAR ENDED

1907. £			Year to 31st March, 1908.	
			£	s. d.
30,712	Brought forward ...	...	24,543	5 4
	MAINTENANCE OF WORKS, AND DISTRIBUTION OF WATER— <i>continued.</i>			
	GENERAL.			
4,247	16 To Maintenance and Renewal of Mains and Meters ...	3,858 1 10		
1,728	17 „ Salaries	1,690 8 4		
1,493	18 „ Waste Inspection ...	1,359 0 8		
143	19 „ Pensions prior to 1897 Scheme	96 6 0		
818	20 „ Superannuation Allow- ances, 1897 Scheme ..	888 10 9		
20	21 „ Contributions for Super- annuation returned on decease or retirement of Members	—		
239	22 „ Pensions to Workmen, 1897 Scheme	377 1 0		
107	23 „ Pensions to Workmen under Amending Scheme, 1902, Optional Allowances ...	157 5 6		
54	24 „ Workmen's Compensation	106 1 7		
30,874	25 „ Rates and Taxes	32,198 14 0		
162	26 „ Rents, Tithes, Easements, and Wayleaves	172 17 10		
661	27 „ Chemical and Bacterio- logical Examination of Waters	476 12 7		
4,335	28 „ General Wages	3,937 1 9		
44,881			45,318	1 10
75,593	Carried forward ...	...	69,861	7 2

ACCOUNT—*continued*.

31ST MARCH, 1908.

Cr.

		Year to 31st March, 1908.	1907.
		£ s. d.	£
Brought forward ...	...	291,267 11 7	289,657
Carried forward ...	...	£291,267 11 7	£289,657

Dr.

D.—REVENUE

FOR THE YEAR ENDED

1907. £			Year to 31st March, 1908.		
			£	s.	d.
75,593	Brought forward	...			69,861 7 2
	MANAGEMENT.				
11,613	29 To Office Salaries	... ..	11,882	2	5
585	30 „ Meter state-taking	...	561	10	4
65	31 „ Pensions prior to 1897 Scheme	... ..	65	0	0
154	32 „ Superannuation Allowan- ces, 1897 Scheme	...	483	1	0
—	33 „ Contributions for Superan- nuation returned on de- cease or retirement of Members	... ..	53	7	3
4,413	34 „ Office and Incidental Expenses	... ..	4,431	13	8
3,064	35 „ Bank Commission and Share of Loans Fund Management Expenses...		3,058	0	3
1,681	36 „ Abatements	... ..	1,704	18	5
265	37 „ Bad Debts	... ..	248	17	10
124	38 „ Law and Professional Charges	... ..	288	19	2
21,964					22,777 10 4
65	39 „ Agreed Share of Costs of obtaining the Bir- mingham Corporation Act, 1905, which contains “Water” Clauses	... ..			—
—	40 „ Loss on Laying and Maintenance of Services and Testing of Water Fittings	...			66 0 1
17	41 „ Loss on Hydraulic Power Supplies	...			11 4 2
97,639					92,716 1 9
192,018	„ Balance carried to Profit & Loss Account (E)				198,551 9 10
<u>£289,657</u>					<u>£291,267 11 7</u>

Dr.

E.—PROFIT AND

FOR THE YEAR ENDED

1907. £						Year to 31st March, 1908.		
						£	s.	d.
50,111	1	To Annuities	...	...	...	49,633	2	7
	2	„ INTEREST UNDER ACTS 1875 AND 1879.						
23,288		On Birmingham Corporation Stock (including share of costs of issue)	...			23,129	5	11
	3	„ INTEREST UNDER ACT 1892.						
101,125		On Mortgages and Loans	105,855	12	1			
75,694		On Birmingham Corporation Stock (including share of costs of issue)	75,671	11	2			
10,576		Discount on issue of Birmingham Corporation Bills	8,339	2	1			
187,395						189,866	5	4
	4	„ REDEMPTION OF DEBT.						
10,511		Sinking Fund for Extinction of Annuities	10,799	11	6			
		Corporation Loans Fund for Redemption of Stock :—						
		3½ %	1,522	15	2			
		3 %	2,686	2	11			
		2½ %	2,110	9	1			
6,107			6,319	7	2			
16,618						17,118	18	8
10	5	„ Bank Interest	...	...	...	1,538	5	1
250	6	„ Reserve in respect of Forged Transfers Act, 1891	...	...	...	250	0	0
£277,672						£ 281,535	17	7

LOSS ACCOUNT.

Cr.

31ST MARCH, 1908.

		Year to 31st March, 1908.			1907. £
		£	s.	d.	
1	By Balance of Revenue Account (D) ...	198,551	9	10	192,018
2	„ Hydraulic Power Account in respect of Capital Charges relative to the Hydraulic Installation, viz. :—				
	Interest under Acts 1875 and 1879 . .	259	6	10	
	Interest under Act 1892	277	7	7	
	Sinking Fund ...	505	18	11	
		1,042	13	4	1,038
3	„ Contribution from Borough Fund and Rate Account	65,000	0	0	
4	„ Transfer from Capital Account (C) under Sec- tion 22 of the Birming- ham Corporation Water Act, 1902 ...	16,941	14	5	
		81,941	14	5	84,616
		£ 281,535	17	7	£277,672

Dr.

F.—HYDRAULIC

FOR THE YEAR ENDED

				Year to 31st March, 1908.		
				£	s.	d.
1907.						
£						
97	1	To Ground Rent		96	15	0
303	2	„ Poor and Improvement Rates on Buildings		303	2	6
435	3	„ Wages at Station		416	17	5
225	4	„ Gas		231	2	6
73	5	„ Stores, &c.		61	2	8
32	6	„ Repairs to Engines		—		
59	7	„ Cleaning and Painting Station		—		
257	8	„ Water (9,957,000 Gallons at 6d. per 1,000)		248	18	6
1,481				1,357	18	7
1,021	9	„ Balance carried forward		1,031	9	2
2,502				£	2,389	7 9
<hr/>						
10 To Interest on Capital Outlay, viz. :—						
On Balance outstanding—				£	s.	d.
274	Under Acts 1875 and 1879, £8,644 15s. 3d.			259	6	10
273	Under Act 1892, £9,326 14s. 0d.			277	7	7
491	Sinking Fund			505	18	11
1,038				1,042 13 4		
<hr/>						
£1,038				£	1,042	13 4
<hr/>						

POWER SUPPLY.

Cr.

31ST MARCH, 1908.

				Year to 31st March, 1908.			1907. £
				£	s.	d.	
1	By Charges for power	...	...	...	2,389	7 9	2,502
				£	2,389	7 9	2,502
2	By Balance brought forward	...	...	...	1,031	9 2	1,021
3	„ Loss for the Year carried to Revenue Account (D)	...	...	...	11	4 2	17
				£	1,042	13 4	£1,038

Dr.

G.—SINKING FUND FOR
FOR THE YEAR ENDED

		£	s.	d.
1 To Balance brought from last Account	... ..	8,740	14	8
2 „ Purchase of Annuities for Redemption (capitalised at 25 years' purchase) as per Capital Account B	... .. 6,455 8 4			
3 „ Premiums on Annuities redeemed	... .. 1,254 7 0			
		7,709	15	4
		£16,450	10	0

Dr

H.—BALANCE SHEET,

	£	s.	d.	£	s.	d.
1 To Capital Account No. 1, as per Account B				2,097,859	18	8
2 „ Capital Account No. 2, as per Account C				6,212,500	0	0
3 „ Reserve in respect of Forged Transfers Act, 1891				1,000	0	0
4 „ Annuities accrued to date	12,418	3	5			
5 „ Interest accrued and unpaid	52,906	1	0			
6 „ Trade Creditors :—						
On Capital Account	1,443	14	4			
On Revenue Account	21,843	16	2			
	23,287	10	6	88,611	14	11
7 „ Treasurer of the City :—						
On Revenue Account	59,305	3	3			
On Sinking Fund Account	5,650	18	6			
				64,956	1	9
				£8,464,927	15	4

E. ANTONY LEES,

30th April, 1908.

Secretary.

31ST MARCH, 1908.

				£	s.	d.
1	By Amount brought from Profit and Loss Account (E)	...		10,799	11	6
2	„ Balance to be carried to next Account	...	...	5,650	18	6
				£16,450	10	0

31ST MARCH, 1908.

Er.

						£	s.	d.
1	By Capital Account No. 1, as per Account B	...	...			2,097,859	18	8
	„ Capital Account No. 2, as per Account C:—							
2	On Elan Supply	...	...	...	...	5,762,853	5	6
3	Capitalisation under Section 22, Act 1902	...	...			152,621	4	4
4	On Local Works	...	...	...	...	186,141	14	0
5	„ Sinking Fund Account, as per Account G	...	...			5,650	18	6
6	„ Debtors for Water Rents, Services, &c.:—							
	On Capital Account	...	...	15	10	0		
	On Revenue Account	...	...	122,347	10	11		
						122,363	0	11
7	„ Stock of Iron Pipes, Coal, and General Stores...	...				24,680	0	6
8	„ Treasurer of the City :—							
	On Capital Account No. 2	...	...	...	...	112,312	0	6
9	„ Cash in hands of Secretary	...	...	...	...	445	12	5
						£8,464,927	15	4

Examined and found correct,

HOWARD SMITH, SLOCOMBE, & Co.,

30th April, 1908.

Auditors

OF THE
UNIVERSITY OF ILLINOIS

I.—COB1ST MARCH, 1907 AND 1908.

	Totals for 1908.	Increase.	Decrease.	Percentage. Increase + Decrease -
	£ s. d.	£ s. d.	£ s. d.	
DOMESTIC SUPPLIES				
Domestic—not exceed		3,191 2 11		2·15 +
Ditto exceeding			140 8 4	0·95 -
Baths ...		607 9 5		7·65 +
Garden and Hose Pi		77 15 0		6·35 +
TOTALS FROM D	176,038 15 7	3,735 19 0		2·17 +
UNMEASURED TRADE				
Trade Supplies ...			108 10 1	0·78 -
Lock-up Shops, Offic		130 7 11		2·56 +
Churches, Chapels a		12 3 2		1·70 +
*Public-houses ...			235 17 3	3·70 -
Unmeasured Supplie		6 12 6		0·83 +
TOTAL FROM UNMEASU	26,650 12 3		195 3 9	0·73 -
MEASURED SUPPLIE				
Trade Supplies ...		553 4 3		0·74 +
Railways, Street and			1,546 4 1	13·27 -
TOTALS FROM M	84,985 12 11		992 19 10	1·15 -
TOTAL RENT	287,675 0 9	2,547 15 5		0·89 +

plied by Meter.

I.—COMPARATIVE ANALYSIS OF THE RENTALS FOR THE YEARS TO 31st MARCH, 1907 AND 1908.

	1906.	1907.	Totals for 1907.	1908.	Totals for 1908.	Increase.	Decrease.	Percentage. Increase + Decrease -
	£	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	
DOMESTIC SUPPLIES.								
Domestic—not exceeding £50 net annual value	145,250	148,459 16 1		151,650 19 0		3,191 2 11		2·15 +
Ditto exceeding ditto ditto	14,750	14,675 3 3		14,534 14 11			140 8 4	0·95 -
Baths	7,454	7,938 7 0		8,545 16 5		607 9 5		7·65 +
Garden and Hose Pipe Watering	790	1,229 10 3		1,307 5 3		77 15 0		6·85 +
TOTALS FROM DOMESTIC SUPPLIES	168,244		172,302 16 7		176,038 15 7	3,735 19 0		2·17 +
UNMEASURED TRADE AND MISCELLANEOUS SUPPLIES.								
Trade Supplies	13,421	13,835 13 9		13,727 3 8			108 10 1	0·78 -
Lock-up Shops, Offices and Warehouses	5,000	5,085 4 0		5,215 11 11		130 7 11		2·56 +
Churches, Chapels and Schools	692	704 8 9		716 11 11		12 3 2		1·70 +
*Public-houses	6,491	6,376 12 0		6,140 14 9			235 17 3	3·70 -
Unmeasured Supplies for Building Purposes	1,030	843 17 6		850 10 0		6 12 6		0·83 +
TOTAL FROM UNMEASURED TRADE AND MISCELLANEOUS SUPPLIES	26,634		26,845 16 0		26,650 12 3		195 3 9	0·73 -
MEASURED SUPPLIES.								
Trade Supplies	71,923	74,331 19 7		74,885 3 10		553 4 3		0·74 +
Railways, Street and Road Watering, Markets, &c.	11,242	11,646 13 2		10,100 9 1			1,546 4 1	13·27 -
TOTALS FROM MEASURED SUPPLIES	83,165		85,978 12 9		84,985 12 11		992 19 10	1·15 -
TOTAL RENTAL	278,043		285,127 5 4		287,675 0 9	2,547 15 5		0·89 +

* The figures in this line refer to the unmeasured supplies only. Many Public-houses are supplied by Meter.

PPLIES.

Rents.	Water Rents.	Number of Houses, 31st March, 1907.	Number of Houses, 31st March, 1908.
--------	--------------	--	--

PIERS—continued.

WEEKLY RENTS.	..	...	173,624	176,464
2/9				
3/6	for domestic			
4/3	annual value—			
	...	...	371	368
5/-	..	...	49	49
5/9	...	...	242	232
6/6	...	...	2,079	2,074
6/9				
8/-	SUPPLY	...	176,365	179,187

K.—RETURN OF UNMEASURED SUPPLIES.

Rents.	Net Annual Value.	Water Rents.	Number of Houses, 31st March, 1907.	Number of Houses, 31st March, 1908.	Rents.	Net Annual Value.	Water Rents.	Number of Houses, 31st March, 1907.	Number of Houses, 31st March, 1908.
LANDLORDS.					OCCUPIERS—continued.				
WEEKLY RENTS.	£ s. d.				Brought forward	...	...	173,624	176,464
2/9	5 0 0	6/-	845	800	Supplies used wholly or in part for domestic purposes. Percentage on net annual value—				
3/6	7 10 0	8/-	15,895	15,439	3 per cent.	...	...	371	368
4/3	7 10 0	8/-	9,502	9,095	4 per cent.	...	...	49	49
5/-	10 0 0	10/-	33,209	33,361	5 per cent.	...	...	242	232
5/9	10 0 0	10/-	14,497	15,059	6 per cent.	...	...	2,079	2,074
6/6	12 10 0	15/-	33,096	33,998					
6/9	12 10 0	16/6	10,869	11,260	TOTAL NUMBER OF HOUSES IN SUPPLY	...		176,365	179,187
8/-	12 10 0	16/6	8,143	8,561	BATHS.				
9/6	15 0 0	20/-	9,937	10,542	ANNUAL RENT OF HOUSES.	Net Annual Charge.	Annual Charge.		
10/-	17 10 0	22/-	6,557	6,628	£	£ s. d.			
ANNUAL RENTS.					...	10 0 0	4/-	23	23
£					30	25 0 0	6/-	14,180	15,839
25	20 0 0	24/-	4,349	4,285	60	50 0 0	8/-	6,851	7,045
30	25 0 0	29/6	2,591	2,541	Ex:	Ex:			
35	30 0 0	35/6	1,040	987	60	50 0 0	10/-	2,296	2,345
40	35 0 0	41/6	446	445					
£0	40 0 0	47/6	292	291	TOTAL NUMBER OF BATHS	...	...	23,350	25,252
60	50 0 0	57/-	169	169					
OCCUPIERS.					GARDEN AND HOSE PIPE WATERING.				
WEEKLY RENTS.	£ s. d.					Annual Charge.			
5 6	12 10 0	16/-	413	425	Hose Pipes	...	10/-	1,827	1,908
6 9	15 0 0	24/-	657	702	Garden Taps	...	5/-	1,335	1,389
7/9	17 10 0	27/-	1,713	1,763				3,162	3,297
9/-	20 0 0	30/-	3,098	3,406	MISCELLANEOUS UNMEASURED SUPPLIES.				
10/-	25 0 0	38/-	2,515	2,493	Lock-up Shops, Offices, and Warehouses	...		2,719	2,812
ANNUAL RENTS.					Trade and Sundry Charges other than Domestic			10,527	10,476
£					* Full Licensed and Beer Houses	...		1,450	1,395
30	25 0 0	38/-	4,738	5,062	Churches, Chapels, Sunday and Day Schools...			288	301
35	30 0 0	45/-	2,740	2,809	Fire Hydrants and Fire Cocks	...		1,600	1,635
40	35 0 0	52/-	2,323	2,314					
50	40 0 0	57/-	2,530	2,567					
60	50 0 0	60/-	1,460	1,462					
Carried forward	...	...	173,624	176,464				16,584	16,619

* Unmeasured Supplies only.

L.—STATEMENT OF DISTRIBUTION OF WATER IN DISTRICTS.

QUANTITY STATED IN MILLIONS OF GALLONS.

YEAR.	Quantity distributed by Gravitation.	Quantity distributed by Pumping.	Total Quantity Distributed.	Daily Average Distribution.	TOTAL DISTRIBUTION IN DISTRICTS.			NATURE OF TOTAL CONSUMPTION.	
					Low Level.	Middle Level.	High Level.	Measured.	Domestic, Supplies, and Waste.
To Mar. 31 1897	...	5,971*	5,971*	16·094	2,095	2,889	987	1,108	4,863
1898	...	5,888	5,888	16·178	1,804	2,952	1,132	1,315	4,573
1899	...	6,265	6,265	17·212	1,992	3,075	1,198	1,386	4,879
1900	...	6,639	6,639	18·239	2,032	3,367	1,240	1,498	5,141
1901	..	6,516	6,516	17·901	1,886	3,358	1,272	1,596	4,920
1902	...	6,785	6,785	18·640	2,071	3,421	1,293	1,632	5,153
1903	...	6,672	6,672	18·332	2,074	3,302	1,296	1,578	5,094
1904	...	6,683*	6,683*	18·013	1,989	3,326	1,368	1,590	5,093
1905	1,198	5,438	6,636	18·230	1,808	3,359	1,469	1,631	5,005
1906	3,739	2,743	6,482	17·807	1,881	3,013	1,588	1,773	4,709
1907	4,978	1,832	6,810	18·708	1,950	3,123	1,737	1,813	4,997
1908	4,977	1,775	6,752	18·549	1,932	3,069	1,751	1,744	5,008

* 53 weeks.

M.—ESTIMATED AVERAGE CONSUMPTION PER HEAD PER DAY.
YEAR ENDED MARCH 31st.

	1903. 18·332 m. g.	1904. 18·013 m. g.	1905. 18·230 m. g.	1906. 17·807 m. g.	1907. 18·708 m. g.	1908. 18·549 m. g.
Total average consumption per day ...						
Estimated average population in supply for the year, based on 4·5 persons per house on the average number of houses in supply ...	727,017	743,611	758,637	772,877	786,838	799,992
Average gross consumption per head per day ...	25·21 galls.	24·22 galls.	24·03 galls.	23·04 galls.	23·78 galls.	23·19 galls.
Average consumption per head per day for Measured Trade Supplies, and for Railways, Street and Road Watering, Markets, &c. ...	5·96 galls.	5·76 galls.	5·91 galls.	6·30 galls.	6·33 galls.	5·99 galls.
Estimated average consumption per head per day for Unmeasured Trade Supplies, calculated on the basis of the rental, reckoning 6d. (the minimum meter rate) to represent 1,000 gallons	4·01 galls.	3·86 galls.	3·84 galls.	3·79 galls.	3·75 galls.	3·66 galls.
Net estimated consumption per head per day for Domestic, Fire, and Waste ...	15·24 galls.	14·60 galls.	14·28 galls.	12·95 galls.	13·70 galls.	13·54 galls.

N.—STATEMENT OF THE YEARLY EXPENDITURE OF CAPITAL.

23

Year.	MAINS.		Works and Buildings, less Depreciation.	Meters, less Depreciation.	E'lan Supply.	Capitalisation under Section 22, Act, 1902.	Totals for Year.	Total to Date.
	Length in Miles.	Cost.	£	£	£	£	£	£
At Dec. 31, 1875	252.448	—	—	—	—	—	—	1,523,123
Jan. 1, 1876, to 31 Mar., 1896	290.870	248,744	333,759	3,200	686,401	—	1,272,104	5,394,864
To 31 Mar., 1897	17.260	7,836	3,372	1,393	255,921	—	268,522	3,063,749
1898	22.489	16,333	9,468	1,256	366,727	—	393,584	3,457,333
			-200*					
1899	17.125	14,169	6,295	391	515,699	—	533,279	3,990,612
		-1,000*	-2,275*					
1900	17.910	7,571	3,271	220	707,493	—	714,155	4,704,767
		-1,150*	-3,250*					
1901	10.995	6,427	2,853	329	924,680	—	930,439	5,635,206
		-540*	-3,310*					
1902	14.076	9,744	1,415	257†	987,874	—	995,082	6,630,288
		-110*	-3,584*					
1903	16.906	12,673	1,066	209†	458,301	—	469,208	7,099,496
			-2,623*					
1904	18.740	19,526	1,364	467	352,895	33,818	406,247	7,505,743
			-1,823*					
1905	21.970	15,779	5,845	47	283,514	46,826	330,784	7,856,527
		-200*	-1,027*					
1906	19.430	11,861	4,893	439	126,389	35,420	177,210	8,033,737
			-1,792*					
1907	17.950	13,475	4,910	249	60,815	19,616	97,450	8,131,187
			-1,615*					
1908	18.600	13,358	3,494	266	36,143	16,942	68,290	8,199,476
			-1,913*					
	756.769	394,496	358,593	7,791	5,762,852	152,266	6,676,354	

* Depreciation of Temporary Mains and Works.

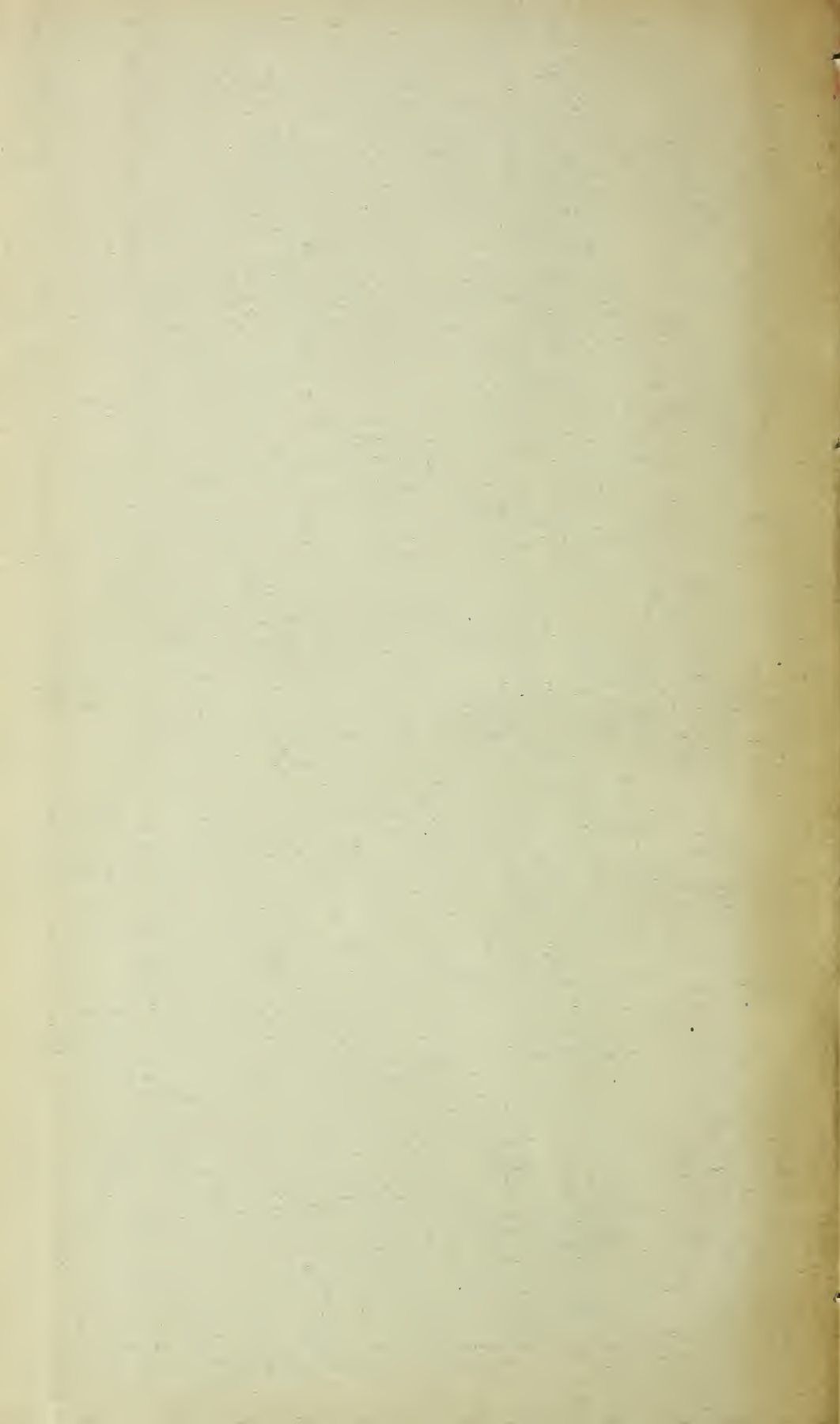
† Depreciation exceeds purchases.

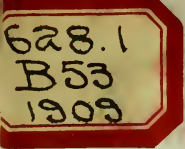
UNIVERSITY OF ILLINOIS
LIBRARY

		NET RESULTS.		
Contributions for Superannuation 1897 Scheme.	T	Reserve under Forged Transfers Act, 1891.		
			Profit.	Loss.
10		16	17	18
£		£	£	£
—		—	61,926	28,242
—		—	936	—
—		—	3,612	—
—		—	4,091	—
—		—	26,923	—
—		—	12,227	—
—		—	17,718	—
—		—	25,812	—
—		—	28,654	—
577		—	15,409	—
589		—	—	6,479
594		—	—	32,737
612		—	—	65,119
574		—	—	80,039
583		—	—	85,057
576		250	—	91,826
572		250	—	80,420
580		250	—	84,616
588		250	—	81,942
5,845	5.	1,000	197,308	636,477

O.—SUMMARY OF THE ACCOUNTS OF THE DEPARTMENT FROM 1876.

YEAR.	WATER RENTS.	REVENUE FROM VARIOUS MINOR SOURCES.									Total Revenue.	Working Expenses.	Gross Profit.	CAPITAL CHARGES.		Reserve under Forged Transfers Act. 1891.	NET RESULTS.	
		Unmeasured Supplies for Building Purposes.	Service Laying.	Testing Fittings.	Net Rents of Lands, etc.	Net Rents of Lands, etc. (Flan Estate.)	Profit on Hydraulic Power Supplies.	Fishing Subscriptions and Tickets	Transfer Fees.	Contributions for Superannuation 1897 Scheme.				Under Acts 1875 and 1879.	Under Act 1892.		Profit.	Loss.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
	£	£	£	£	£	£	£	£	£	£	£	£	£	£	£	£	£	£
Totals, 1st Jan., 1876, to 31st Mar., 1890 ... }	1,634,923	1,076	21,174	121	6,838	—	—	1,193	207	—	1,665,532	568,714	1,096,818	1,063,134	—	—	61,926	28,242
1890-1891 ...	134,594	541	923	136	509	—	—	248	13	—	136,964	53,709	83,255	82,319	—	—	936	—
1891-92 ...	139,684	563	657	124	313	—	—	296	19	—	141,656	53,677	87,979	84,367	—	—	3,612	—
1892-93 ...	142,505	678	386	158	510	—	—	282	22	—	144,541	53,470	91,071	85,304	1,676	—	4,091	—
1893-94 ...	175,286	631	1,264	174	454	—	—	289	18	—	178,116	58,804	119,312	85,294	7,095	—	26,923	—
1894-95 ...	178,828	543	243	184	1,149	—	—	253	20	—	181,220	70,374	110,846	85,648	12,971	—	12,227	—
1895-96 ...	186,870	688	855	152	1,081	—	—	205	19	—	189,870	69,779	120,091	85,056	17,317	—	17,718	—
1896-97 ...	199,132	773	723	128	1,017	—	—	270	16	—	202,059	69,311	132,748	85,083	21,853	—	25,812	—
1897-98 ...	210,920	1,001	1,034	191	428	—	—	188	17	—	213,779	69,908	143,871	85,152	30,065	—	28,654	—
1898-99 ...	220,452	1,135	1,343	417	784	—	—	195	19	577	224,922	79,488	145,434	86,930	43,095	—	15,409	—
1899-1900 ...	229,796	1,191	954	528	572	—	20	172	21	589	233,843	87,611	146,232	89,137	63,574	—	—	6,479
1900-01 ...	240,110	856	346	304	688	—	32	102	20	594	242,988	97,152	145,836	88,548	90,025	—	—	32,737
1901-02 ...	250,538	944	475	308	621	—	102	126	17	612	253,743	110,785	142,958	89,006	119,071	—	—	65,119
1902-03 ...	254,934	1,063	133	581	837	—	104	63	19	574	258,308	108,418	149,890	88,815	141,114	—	—	80,039
1903-04 ...	260,841	971	395	539	635	—	138	115	26	583	264,243	106,718	157,525	88,660	153,922	—	—	85,057
1904-05 ...	267,671	874	45	516	473	—	155	246	21	576	270,577	105,668	164,909	88,715	167,770	250	—	91,826
1905-06 ...	277,013	1,030	— 797	598	1,005	—	134	177	22	572	279,754	91,481	188,273	88,538	179,905	250	—	80,420
1906-07 ...	284,283	844	310	561	1,122	1,733	— 17	209	15	580	289,640	97,622	192,018	88,475	187,909	250	—	84,616
1907-08 ...	286,825	850	— 674	608	1,018	1,746	— 11	222	18	588	291,190	92,639	198,551	88,317	191,926	250	—	81,942
	5,575,205	16,252	29,789	6,328	20,054	3,479	593	4,851	549	5,845	5,662,945	2,045,328	3,617,617	2,626,498	1,429,288	1,000	197,308	636,477





R 49. 25/5/09.

City of Birmingham.

REPORT

OF THE

WATER COMMITTEE

FOR PRESENTATION AT THE

SPECIAL MEETING OF THE COUNCIL,

TO BE HELD ON

TUESDAY, MAY 25th, 1909.

BIRMINGHAM :

PERCIVAL JONES LIMITED, PRINTERS, 148-149, GREAT CHARLES STREET

—
1909.

R 49. 25/5/09.

CITY OF BIRMINGHAM.

Report

OF THE

WATER COMMITTEE,

FOR PRESENTATION AT THE

SPECIAL MEETING OF THE COUNCIL,
TO BE HELD ON TUESDAY, MAY 25TH, 1909.

MEETINGS.

The Committee have, since their last Report, held six Meetings.

The Lord Mayor attended three of such Meetings.

						Attended.	Absent.
Mr. Alderman Beale	...	...	...	...	...	6	0
„ „ Clayton	...	...	...	...	...	3	3
„ „ Hunt	...	...	...	...	...	5	1
„ „ Lloyd	...	...	...	...	...	4	2
Mr. Councillor Barber	...	...	...	...	...	6	0
„ „ Crompton	...	...	...	...	...	6	0
„ „ Freeman	...	...	...	...	...	6	0
„ „ Martineau	...	...	...	...	...	6	0

ACCOUNTS.

Your Committee submit herewith the Accounts and Balance Sheet for the year ended March 31st, 1909.

The Water Rents show an increase of £5,903, including for the second half of the year £2,500 received from Coventry in respect of the supply from Shustoke. The total increase is at the rate of 2·05 per cent., or 1·18 per cent. omitting the Coventry supply. The rate of increase last year was ·89 per cent.

The analysis of the rental given in Table "I" shows that the domestic rental has increased to the extent of 1·96 per cent., whereas the measured supplies show a reduction of ·23 per cent.

The Revenue Account shows a gross profit of £201,304, against £198,552 a year ago. The charges on account of Capital shown in the Profit and Loss Account amount to a net total of £281,962, and result in a deficiency for the year of £80,657 16s. 10d., against a corresponding sum of £81,941 14s. 5d. The deficiency has been covered by:—

	£	s.	d.
Contribution from Borough Fund and			
Rate Account 	65,000	0	0
Transfer, to cover the balance, from			
Capital Account (C) under Section			
22 of the Birmingham Corpora-			
tion Water Act, 1902 	15,657	16	10
	<hr/>		
	£80,657	16	10
	<hr/>		

As regards the estimate for the coming year, your Committee have requested the Finance Committee to provide from the Rates the sum of £65,000, being the same amount as in the Account now presented.

CONSUMPTION OF WATER.

The usual returns relative to the consumption of water during the year are submitted with this report. The average daily distribution for the whole year within the area of supply has been 19·393 million gallons, as against 18·549 in the previous year, being an increase of 4·54 per cent. The difference distributed over the several zones shows the following percentages :—

Low Level Zone	... 28 per cent. (decrease).
Middle Level Zone	... 7·30 per cent. (increase).
High Level Zone	... 5·05 per cent. (increase).

The measured supplies show a decrease of 2·1 per cent. in quantity, resulting in the decrease of ·23 per cent. in money already noted. The domestic and other unmeasured supplies show an increase of 6·86 per cent. The fineness of the summer of 1908 compared with that of 1907, together with the two severe frosts in December, 1908, and March, 1909, largely account for the increased rate of consumption for domestic purposes. On January 2nd last during the thaw which succeeded the frost at the end of December the amount of water delivered from Frankley reached a total of 30·634 million gallons, being largely in excess of any previous daily record.

DISTRIBUTION MAINS.

Supply in South-Eastern District, Middle Level Zone.

In a report presented on December 1st, 1903, your Committee submitted particulars of a 28in. carrier main for improving the supply in the south-eastern district of the Middle Level Zone, comprising Sparkbrook, Small

Heath, Little Bromwich and the neighbourhood. By temporarily connecting this main with the 42in. Low Level Main in Calthorpe Park, your Committee were able to postpone that part of the original scheme which consisted of laying a 30in. main from the 43in. Middle Level Main in Chad Road to Calthorpe Park. The demand on the Low Level Main is now so great (the whole of the Low Level and a great portion of the Middle Level districts being dependent upon it) that your Committee decided that the time had come for completing the original scheme and connecting up the 28in. main in Calthorpe Park to the South Middle Level 43in. main from Frankley. The last-named main is already laid, but is at present conveying only a small proportion of the water it is designed to carry.

The new main will have a diameter of 30in. It will be connected to the 43in. main at the corner of Chad Road, and will be laid along Harborne Road, Westbourne Road, Church Road, Carpenter Road, Ampton Road, Sir Harry's Road, Pershore Road, Edward Road, and across Calthorpe Park to the existing 28in. main.

The estimated cost of the 30in. main, with the connections, valves, etc., is £10,464.

Sub-District of Shirley, High Level Zone.

The Sub-District of Shirley, although from its elevation properly part of the High Level Zone, has hitherto been supplied as part of the Middle Level through a 6in. main along Stratford Road. The consequence is that with recent developments in the district the supply of water is intermittent, and at all times under a very poor pressure.

In view of the increase which will doubtless follow the recent extension of railway facilities in the neighbourhood, your Committee have resolved to undertake at once the arrangements required to give a proper supply in the district, involving the laying of a 12in. main connecting with an existing 12in. main at the junction of Pershore Road and Edgbaston Road. The new main will be laid through Moseley and Yardley Wood Road to Brook Lane. At that point it will diminish to 9in., and will be continued by Robin Hood Lane to Stratford Road, where it will join the existing 6in. main.

An incidental economical advantage of the new main will be that important districts of Moseley, which according to their levels should be supplied under Hagley Road pressure, but have had to be transferred to Northfield pressure on account of the inadequacy of the existing mains, will be restored to the Hagley Road Level.

The estimated cost of this scheme is £7,936.

Selly Park, Ten Acres, and Stirchley.—High Level Zone.

These districts are at present supplied from a 6in. main in Pershore Road, worked under the pressure of Hagley Road Reservoir. They can be economically supplied by gravitation by means of a connection with the 42in. Low Level main from Frankley, and in order to effect this the Committee have undertaken the laying of a 9in. main along Bournbrook Road, connecting in Pershore Road with the 42in. Low Level main.

The estimated cost is £742.

Contracts.

The contracts for the pipes for the above distribution mains have been let as under :—

Cochrane and Co. (Woodside), Ltd., of			
Dudley, 30in. pipes	...	...	£6,958
Ditto	ditto	9in. Pipes	£1,576
Stanton Ironworks Co., Ltd., of Notting-			
ham, 12in. pipes	...	...	£2,709

RAINFALL.

The rainfall at Witton, Whitacre, and on the Elan watershed during the past ten years has been as under :—

Year.			Witton.	Whitacre.	Average of Gauges in Elan Valley.
			Inches.	Inches.	Inches.
1899	...	...	25·30	24·31	61·67
1900	...	...	29·26	33·02	63·04
1901	...	...	22·58	24·38	56·35
1902	...	...	24·58	25·78	50·94
1903	...	...	29·88	33·35	87·14
1904	...	...	20·09	23·58	51·80
1905	...	...	19·67	21·61	54·39
1906	...	...	24·54	24·98	67·59
1907	...	...	27·80	28·91	61·36
1908	...	...	28·27	25·37	59·32
Average for the ten years }			25·19	26·52	61·46

REPAIRS TO SEVERN SYPHON.

As intimated in the Report presented by your Committee on December 1st, 1908, several interruptions of

supply had occurred on the Aqueduct owing to the breaking of pipes on the long syphon crossing the valley of the Severn, and this matter has engaged the serious attention of your Committee.

In November, 1905, before the work was taken over from the contractor, a few short lengths of the Aqueduct on which trouble had occurred were strengthened by filling in concrete under the pipes, and, as the result in these cases has proved entirely satisfactory, the Committee have, on the advice of their Engineer, resolved to adopt similar means for strengthening certain other lengths which have been found to be peculiarly subject to bursts. The contract for the work has been let to Mr. George Law, of Kidderminster. The length on which the contract is based is 2,336 yards, at £10,263 2s. 10d., and provision is made that the actual work undertaken shall be increased or diminished according to the conditions found on the opening out of the trench.

In the course of a temporary shutting-off of the supply in connection with this work the opportunity was taken to inspect the greater portion of the tunnel and cut-and-cover sections of the Aqueduct, which were all found to be in good order with the exception of two short lengths in the Studley Tunnel, where some repairs are required and have been put in hand.

PERMANENT BUILDINGS, ELAN VALLEY.

The Contract for the above, let to Messrs. Henry Lovatt, Limited, Wolverhampton, has been completed, and the new school was formally opened on March 18th last. The total amount payable under the contract has not yet been reported by the Architects.

A.—STATEMENT OF AUTHORIZED CAPITAL.

ON THE 31st MARCH, 1909.

1	2	3	4
Description.	Total Amounts Borrowed and Liabilities on Annuities at 31st March, 1909.	Remaining to be Borrowed.	Total Amount Authorized.
UNDER BIRMINGHAM (CORPORATION) WATER ACTS, 1875 AND 1879.			
Annuities	£	s.	d.
(Capitalized at 25 years' purchase)	1,235,826	13	4
Birmingham Corporation 3½% Stock	422,748	7	9
Ditto 3% Stock	211,057	18	8
Ditto 2½% Stock	31,377	1	0
Total amount outstanding	£1,901,010	0	9
Annuities redeemed, Stock cancelled or transferred, and Loans repaid from Sinking Fund	196,849	17	11
	£2,097,859	18	8
UNDER BIRMINGHAM (CORPORATION) WATER ACT, 1892.			
Birmingham Corporation 3½% Stock	£	s.	d.
Ditto 3% Stock	65,000	0	0
Ditto 2½% Stock	1,339,810	12	9
Loans	1,242,554	18	7
	3,535,750	0	0
Total amount outstanding	£6,183,115	11	4
Stock cancelled or transferred from Sinking Fund	29,384	8	8
	£6,212,500	0	0
	£387,500	0	0
			£6,600,000 0 0

Dr.

B.—CAPITAL ACCOUNT No. 1, UNDER BIRMINGHAM
FOR THE YEAR ENDED

	Expenditure to 31st March, 1908.	Expenditure during the Year.	Total to 31st March, 1909.
	£ s. d.	£ s. d.	£ s. d.
1 To Expenditure to 31st March, 1908	2,097,859 18 8		2,097,859 18 8
<i>Total carried to Balance Sheet</i>	...	...	<u>£2,097,859 18 8</u>

Dr.

C.—CAPITAL ACCOUNT No. 2, UNDER BIRMINGHAM
FOR THE YEAR ENDED

1 To Expenditure on Elan Supply to 31st March, 1908 ...	5,762,853 5 6	...	
2 „ Expenditure since that date	...	28,745 6 5	
<i>Total carried to Balance Sheet</i>			5,791,598 11 11
3 To Amount transferred to Profit and Loss Account under Sec. 22 of the Birming- ham Corporation Water Act, 1902, to 31st March, 1908	152,621 4 4		
4 To ditto for the year ended 31st March, 1909, see Account “E”	...	15,657 16 10	
<i>Total carried to Balance Sheet</i>	...		168,279 1 2
5 To Expenditure on Local Works to 31st March, 1908 ...	186,141 14 0		
„ Expenditure since that date:—			
6 Extension of			
Works ... 951 0 3			
7 New Mains ... 8,187 16 6			
8 New Meters... 606 5 6			
	...	9,745 2 3	
<i>Less Depreciation as</i>			
<i> under :—</i>			
9 Of Temporary			
Plant .. 2,038 5 8			
10 Of Meters ... 663 16 3			
	...	2,702 1 11	
		7,043 0 4	
<i>Total carried to Balance Sheet</i>	...	..	193,181 14 4
			6,153,062 7 5
To Balance of Capital Account	...	...	59,437 12 7
			<u>£6,212,500 0 0</u>

(CORPORATION) WATER ACTS, 1875 AND 1879.

£r.

31st MARCH, 1909.

	Capital at 31st March, 1908.	Additions + or Reductions - during the Year.	Capital at 31st March, 1909.
	£ s. d.	£ s. d.	£ s. d.
1 By Annuities	1,241,817 1 8	- 5,990 8 4	1,235,826 13 4
2 „ Birmingham Corporation 3½ % Stock	424,332 13 3	- 1,584 5 6	422,748 7 9
3 „ Birmingham Corporation 3 % Stock	213,144 17 10	- 2,086 19 2	211,057 18 8
4 „ Birmingham Corporation 2½ % Stock	33,422 6 1	- 2,045 5 1	31,377 1 0
Total Amount Outstanding	...	...	1,901,010 0 9
5 „ Annuities redeemed and Stock cancelled from Sinking Fund	185,142 19 10	+ 11,706 18 1	196,849 17 11
Total carried to Balance Sheet	...	...	£2,097,859 18 8

(CORPORATION) WATER ACT, 1892.

£r.

31st MARCH, 1909.

1 By Birmingham Corporation 3½ % Stock	35,000 0 0	+ 30,000 0 0	65,000 0 0
2 „ Birmingham Corporation 3 % Stock	1,310,500 4 6	+ 29,310 8 3	1,339,810 12 9
3 „ Birmingham Corporation 2½ % Stock	1,242,687 14 9	- 132 16 2	1,242,554 18 7
4 „ Mortgages and Loans ...	3,595,750 0 0	- 60,000 0 0	3,535,750 0 0
Total Amount Outstanding	...	...	6,183,115 11 4
5 „ Stock cancelled or trans- ferred from Sinking Fund	28,562 0 9	+ 822 7 11	29,384 8 8
Total carried to Balance Sheet ... ..	...	...	£6,212,500 0 0

Dr.

D.—REVENUE

FOR THE YEAR ENDED

1908. £	MAINTENANCE OF WORKS, AND DISTRIBUTION OF WATER.				Year to 31st March, 1909.		
		£	s.	d.	£	s.	d.
	OLD SUPPLY.						
344	1 To Pumping, including Salaries, Wages, Coal, and Stores, at Pumping Stations	772	1	10			
	2 „ Filtration... ..	781	8	6			
3,433	3 „ Maintenance of Engines and Boilers	3,120	16	3			
2,540	4 „ Maintenance of Reservoirs and Pumping Stations	2,068	8	7			
6,317					6,742	15	2
	ELAN SUPPLY.						
3,048	5 „ Filtration and Hardening (Elan Valley)	3,145	15	1			
808	6 „ General Maintenance and Supervision of Elan Valley Works	1,421	16	6			
110	7 „ Administration of Elan Village	167	7	1			
6,370	8 „ Maintenance and Super- vision of Aqueduct ...	7,213	17	9			
3,968	9 „ Pumping at Frankley and Monument Road ...	3,836	6	0			
495	10 „ Maintenance of Engines and Boilers at Frankley and Monument Road ...	888	17	9			
1,808	11 „ Filtration (Frankley) ...	1,983	5	3			
31	12 „ Maintenance of Filters (Frankley)	8	19	8			
797	13 „ Maintenance of Works (Frankley)	1,185	5	3			
791	14 „ General Working Expenses and Wages (Frankley)	588	10	7			
18,226					20,440	0	11
24,543	Carried forward ...	...			£27,182	16	1

ACCOUNT.

Cr.

31ST MARCH, 1909.

					Year to 31st March, 1909.			1908.
					£	s.	d.	£
1	By	Water Rents and Charges	291,078	4 4	...			287,675
2	„	Ditto ditto ditto Supplies in bulk	...	2,500 0 0	293,578	4	4	
3	„	Profit on Testing Water Fittings and Laying and Maintenance of Services...			844	18	10	...
4	„	Net Rents of Lands, &c. (Old Works and Elan Aqueduct) ...	...	...	1,005	3	0	1,018
5	„	Net Rents of Lands, &c. (Elan Watershed)			1,221	6	7	1,747
6	„	Net Receipts on Fishing ...	...	...	187	4	11	222
7	„	Transfer Fees ...	...	...	16	15	0	18
8	„	Superannuation Scheme, 1909 :— Members' Contributions	...	...	590	5	1	588
9	„	Profit on Hydraulic Power Supplies	...		22	5	3	...
Carried forward					£297,466	3	0	£291,268

Dr.

D.—REVENUE

FOR THE YEAR ENDED

1908.					Year to 31st March, 1909.		
£		£	s.	d.	£	s.	d.
24,543							
	Brought forward ...		...		27,182	16	1
	MAINTENANCE OF WORKS, AND DISTRIBUTION OF WATER— <i>continued.</i>						
	GENERAL.						
3,858	15 To Maintenance and Renewal of Mains and Meters ...	3,736	5	1			
1,690	16 „ Salaries	1,683	15	0			
1,359	17 „ Waste Inspection ...	1,391	0	9			
96	18 „ Pensions prior to 1897 Scheme	66	4	0			
	Superannuation Scheme, 1909:—						
889	19 „ Superannuation Allowances ... 905 7 2						
377	20 „ Pensions to Offi- cers & Servants 416 9 0						
157	21 „ Optional Allow- ances 216 12 0						
		1,538	8	2			
106	22 „ Workmen's Compensation	76	13	3			
32,199	23 „ Rates and Taxes	32,571	9	5			
173	24 „ Rents, Tithes, Easements, and Wayleaves	163	7	3			
477	25 „ Chemical and Bacterio- logical Examination of Waters	352	14	4			
3,937	26 „ General Wages	3,925	6	5	45,505	3	8
45,318							
69,861	Carried forward ...		...		72,687	19	9

ACCOUNT—*continued*.

31ST MARCH, 1909.

Cr.

		Year to 31st March, 1909.			1908.
		£	s.	d.	£
Brought forward ...	...	297,466	3	0	291,268
Carried forward ...	...	£297,466	3	0	£291,268

Dr.

D.—REVENUE

FOR THE YEAR ENDED

1908. £				Year to 31st March, 1909.		
	£ s. d.			£	s.	d.
69,861	Brought forward ...			72,687	19	9
	MANAGEMENT.					
11,882	27	To Office Salaries ...	12,461	9	4	
562	28	„ Meter state-taking ...	601	6	9	
65	29	„ Pensions prior to 1897 Scheme ...	65	0	0	
		Superannuation Scheme, 1909 :—				
483	30	„ Superannuation Allowances... 634 4 4				
53	31	„ Contributions returned on retirement of Members ... 112 14 7	746	18	11	
4,432	32	„ Office and Incidental Expenses ...	4,083	15	4	
3,058	33	„ Bank Commission and Share of Loans Fund Management Expenses...	2,998	9	9	
1,705	34	„ Abatements ...	1,892	11	10	
249	35	„ Bad Debts ...	267	4	1	
289	36	„ Law and Professional Charges ...	357	2	9	
22,778				23,473	18	9
66	37	„ Loss on Laying and Maintenance of Services and Testing of Water Fittings ...				—
11	38	„ Loss on Hydraulic Power Supplies ...				—
92,716				96,161	18	6
198,552	„ Balance carried to Profit & Loss Account (E)			201,304	4	6
£291,268				£297,466	3	0

Dr.

E.—PROFIT AND

FOR THE YEAR ENDED

1908. £			Year to 31st March, 1909.		
			£	s.	d.
49,633	1 To Annuities	...	49,453	14	9
	2 „ INTEREST UNDER ACTS 1875 AND 1879.				
23,129	On Birmingham Corporation Stock (including share of costs of issue)	...	22,964	15	3
	3 „ INTEREST UNDER ACT 1892.				
105,856	On Mortgages and Loans	117,212	9	0	
	On Birmingham Corporation Stock (including share of costs of issue)	75,910	11	2	
75,672	Discount on issue of Birmingham Corporation Bills	...			
8,339		...			
189,867			193,123	0	2
	4 „ REDEMPTION OF DEBT.				
10,800	Sinking Fund for Extinction of Annuities	11,096	11	3	
	Corporation Loans Fund for Redemption of Stock:—				
	3½ %	1,584	5	6	
	3 %	2,776	10	11	
	2½ %	2,178	1	3	
6,319			6,538	17	8
17,119			17,635	8	11
1,538	5 „ Bank Interest	...			
250	6 „ Reserve in respect of Forged Transfers Act, 1891	...	250	0	0
£281,536			£ 283,426	19	1

LOSS ACCOUNT.

Cr.

31ST MARCH, 1909.

					Year to 31st March, 1909.			1908.
					£	s.	d.	£
1	By	Balance of Revenue Account (D)...	...	...	201,304	4	6	198,552
2	„	Hydraulic Power Account in respect of Capital Charges relative to the Hydraulic Installation, viz. :—						
		Interest under Acts 1875 and 1879 ...	244	3 3				
		Interest under Act 1892	284	3 10				
		Sinking Fund ...	521	2 6				
					1,049	9	7	1,042
3	„	Bank Interest			415	8	2	...
4	„	Contribution from Borough Fund and Rate Account .	65,000	0 0				
5	„	Transfer from Capital Account (C) under Section 22 of the Birmingham (Corporation) Water Act, 1902	15,657	16 10				
					80,657	16	10	81,942
					£ 283,426	19	1	£281,536

Dr.

F.—HYDRAULIC

FOR THE YEAR ENDED

1908.		Year to 31st March, 1909.		
		£	s.	d.
£ 97	1 To Ground Rent	96	15	0
303	2 „ Poor and Improvement Rates on Buildings	300	0	0
417	3 „ Wages at Station	383	17	9
231	4 „ Gas	224	0	11
61	5 „ Stores, &c.	45	18	3
249	6 „ Water (10,033,000 Gallons at 6d. per 1,000)	250	16	6
1,358		1,301	8	5
1,031	7 „ Balance carried forward	1,071	14	10
2,389		£ 2,373	3	3
8 To Interest on Capital, viz.:—				
On Balance outstanding—				
		£	s.	d.
259	Under Acts 1875 and 1879, £8,138 16s. 4d. ...	244	3	3
277	Under Act 1892, £9,540 13s. 3d. ...	284	3	10
506	Sinking Fund	521	2	6
		1,049	9	7
	9 „ Profit for the Year carried to Revenue Account (D)	22	5	3
1,042		£ 1,071	14	10

POWER SUPPLY ACCOUNT.

Cr.

31ST MARCH, 1909.

				Year to 31st March, 1909.	1908.
				£ s. d.	£
1	By Charges for power	...	...	2,373 3 3	2,389
				£ 2,373 3 3	2,389
2	By Balance brought forward	...	...	1,071 14 10	1,031
3	„ Loss for the Year carried to Revenue Account (D)	...	...	—	11
				£ 1,071 14 10	1 042

Dr.

G.—SINKING FUND FOR
FOR THE YEAR ENDED

			£	s.	d.
1	To Balance brought from last Account	... ..	5,650	18	6
2	„ Purchase of Annuities for Redemption (capitalized at 25 years' purchase) as per Capital Account B	... .. 5,990 8 4			
3	„ Premiums on Annuities redeemed	1,067 14 11			
			7,058	3	3
			£12,709	1	9

Dr

H.—BALANCE SHEET,

		£	s.	d.	£	s.	d.
1	To Capital Account No. 1, as per Account B				2,097,859	18	8
2	„ Capital Account No. 2, as per Account C				6,212,500	0	0
3	„ Reserve in respect of Forged Transfers Act, 1891	... ..			1,250	0	0
4	„ Annuities accrued to date	... .. 12,358 5 4					
5	„ Interest accrued to date	... .. 53,105 8 5					
6	„ Trade Creditors :—						
	On Capital Account	... 126 6 7					
	On Revenue Account	... 20,473 17 6					
		20,600 4 1			86,063	17	10
7	„ Treasurer of the City :—						
	On Revenue Account	... .. 65,817 10 9					
	On Sinking Fund Account	... .. 1,612 10 6			67,430	1	3
					£8,465,103	17	9

E. ANTONY LEES,

30th April, 1909.

Secretary.

31ST MARCH, 1909.

	£	s.	d.
1 By Amount brought from Profit and Loss Account (E) ...	11,096	11	3
2 „ Balance to be carried to next Account	1,612	10	6
	£12,709	1	9

31ST MARCH, 1909.

۷۱

	£	s.	d.
1 By Capital Account No. 1, as per Account B	2,097,859	18	8
,, Capital Account No. 2, as per Account C :—			
2 On Elan Supply	5,791,598	11	11
3 Capitalization under Section 22, Act 1902	168,279	1	2
4 On Local Works	193,184	14	4
5 ,, Sinking Fund Account, as per Account G	1,612	10	6
6 ,, Debtors for Water Rents, Services, &c.:—			
On Capital Account	5	15	8
On Revenue Account	126,920	14	7
	126,926	10	3
7 ,, Stock of Iron Pipes, Coal, and General Stores... ..	25,603	14	4
8 ,, Treasurer of the City :—			
On Capital Account No. 2	59,558	3	6
9 ,, Cash in hands of Secretary	480	13	1
	£8,465,103	17	9

Examined and found correct,

HOWARD SMITH, SLOCOMBE, & Co.,

30th April, 1909.

Auditors

31st MARCH, 1908 AND 1909.

	Totals for 1909.	Increase.	Decrease.	Percentage. Increase + Decrease -
	£ s. d.	£ s. d.	£ s. d.	
DOMESTIC SUP				
Domestic—no		2,918 19 6		1 92 +
Domestic—ex			13 0 11	0 00 -
Baths ...		500 3 7		5 85 +
Garden and E		36 6 9		2 75 +
TOTALS F	79,481 4 6	3,442 8 11		1 96 +
UNMEASURED T				
Trade Supplie		107 17 6		0 79 +
Lock-up Shop		27 1 10		0 52 +
Churches, Cha		20 8 11		2 79 +
* Public-houses			139 11 9	2 28 -
Unmeasured S		142 17 0		16 82 +
TOTAL FROM U	26,809 5 9	158 13 6		0 60 +
MEASURED SUP				
Trade Supplie			223 10 11	0 30 -
Railways, Stre		25 12 1		0 26 +
TOTALS F	84,787 14 1		197 18 10	0 23 -
SUPPLIES IN B	2,500 0 0	2,500 0 0		100 00 +
TOTAL I	93,578 4 4	5,903 3 7		2 05 +

ed by Meter.

I.—COMPARATIVE ANALYSIS OF THE RENTALS FOR THE YEARS TO 31st MARCH, 1908 AND 1909.

	1907.	1908.	Totals for 1908.	1909.	Totals for 1909.	Increase.	Decrease.	Percentage. Increase + Decrease -
	£	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	
DOMESTIC SUPPLIES.								
Domestic—not exceeding £50 net annual value	148,460	151,650 19 0		154,569 18 6		2,918 19 6		1.92 +
Domestic—exceeding £50 net annual value	14,675	14,584 14 11		14,521 14 0			13 0 11	0.09 -
Baths	7,988	8,545 16 5		9,046 0 0		500 3 7		5.85 +
Garden and Hose Pipe Watering	1,280	1,307 5 3		1,343 12 0		36 6 9		2.75 +
TOTALS FROM DOMESTIC SUPPLIES	172,803		176,038 15 7		179,481 4 6	3,442 8 11		1.96 +
UNMEASURED TRADE AND MISCELLANEOUS SUPPLIES.								
Trade Supplies	13,886	13,727 3 8		13,835 1 2		107 17 6		0.79 +
Lock-up Shops, Offices, and Warehouses	5,085	5,215 11 11		5,242 13 9		27 1 10		0.52 +
Churches, Chapels, and Schools	704	716 11 11		737 0 10		20 8 11		2.79 +
* Public-houses	6,877	6,140 14 9		6,001 3 0			139 11 9	2.28 -
Unmeasured Supplies for Building Purposes	844	850 10 0		993 7 0		142 17 0		16.82 +
TOTAL FROM UNMEASURED TRADE AND MISCELLANEOUS SUPPLIES	26,846		26,650 12 3		26,809 5 9	158 13 6		0.60 +
MEASURED SUPPLIES.								
Trade Supplies	74,332	74,885 3 10		74,661 12 11			223 10 11	0.30 -
Railways, Street and Road Watering, Markets, etc. ...	11,646	10,100 9 1		10,126 1 2		25 12 1		0.26 +
TOTALS FROM MEASURED SUPPLIES	85,978		84,985 12 11		84,787 14 1		197 18 10	0.23 -
SUPPLIES IN BULK					2,500 0 0	2,500 0 0		100.00 +
TOTAL RENTAL	285,127		287,675 0 9		293,578 4 4	5,903 3 7		2.05 +

* The figures in this line refer to the unmeasured supplies only. Many Public-houses are supplied by Meter.

SUPPLIES.

Rents.	Net £.	Water Rents.	Number of Houses, 31st March, 1908.	Number of Houses, 31st March, 1909.
--------	--------	--------------	--	--

COPIERS—*continued.*

WEEKLY RENTS.	ward	176,464	179,584
2/9			
3/6	part for domestic		
4/3	net annual value—		
	... ..	368	368
5/-	10	49	52
5/9	10	232	217
6/6	15	2,074	2,075
6/9	15		
8/-	15 SES IN SUPPLY ...	179,187	182,296
9/6	15		
10/-	15		

BATHS.

K.—SCHEDULE OF UNMEASURED SUPPLIES.

Rents.	Net Annual Value.	Water Rents.	Number of Houses, 31st March, 1908.	Number of Houses, 31st March, 1909.	Rents.	Net Annual Value.	Water Rents.	Number of Houses, 31st March, 1908.	Number of Houses, 31st March, 1909.
LANDLORDS.					OCCUPIERS—continued.				
WEEKLY RENTS.	£ s. d.				Brought forward			176,464	179,584
2/9	5 0 0	6/-	800	774	Supplies used wholly or in part for domestic purposes. Percentage on net annual value—				
3/6	7 10 0	8/-	15,439	15,222	3 per cent.			368	368
4/3	7 10 0	8/-	9,095	8,640	4 per cent.			49	52
5/-	10 0 0	10/-	33,361	33,626	5 per cent.			232	217
5/9	10 0 0	10/-	15,059	15,639	6 per cent.			2,074	2,075
6/6	12 10 0	15/-	33,998	34,796					
6/9	12 10 0	16/6	11,260	11,892	TOTAL NUMBER OF HOUSES IN SUPPLY ...			179,187	182,296
8/-	12 10 0	16/6	8,561	9,008	BATHS.				
9/6	15 0 0	20/-	10,542	11,186	ANNUAL RENT OF HOUSES.	Net Annual Charge.	Annual Charge.		
10/-	17 10 0	22/-	6,628	6,620	£	£ s. d.			
ANNUAL RENTS.					25	10 0 0	4/-	23	24
£					30	25 0 0	6/-	15,839	17,175
25	20 0 0	24/-	4,285	4,252	60	50 0 0	8/-	7,045	7,260
30	25 0 0	29/6	2,541	2,499	Ex:	Ex:			
35	30 0 0	35/6	987	970	60	50 0 0	10/-	2,345	2,367
40	35 0 0	41/6	445	437					
50	40 0 0	47/6	291	278	TOTAL NUMBER OF BATHS			25,252	26,826
60	50 0 0	57/-	169	166					
OCCUPIERS.					GARDEN AND HOSE PIPE WATERING.				
WEEKLY RENTS.	£ s. d.					Annual Charge.			
5/6	12 10 0	16/-	125	433	Hose Pipes	10/-	1,908	1,979	
6/9	15 0 0	24/-	702	729	Garden Taps	5/-	1,389	1,386	
7/9	17 10 0	27/-	1,763	1,871			3,297	3,365	
9/-	20 0 0	30/-	3,406	3,525					
10/-	25 0 0	38/-	2,493	2,498					
ANNUAL RENTS.					MISCELLANEOUS UNMEASURED SUPPLIES.				
£					Lock-up Shops, Offices, and Warehouses ...		2,812	2,830	
30	25 0 0	38/-	5,062	5,293	Trade and Sundry Charges other than Domestic		10,476	10,499	
35	30 0 0	45/-	2,809	2,838	* Full Licensed and Beer Houses		1,395	1,348	
40	35 0 0	52/-	2,314	2,327	Churches, Chapels, Sunday and Day Schools...		301	308	
50	40 0 0	57/-	2,567	2,579	Fire Hydrants and Fire Cocks		1,635	1,706	
60	50 0 0	60/-	1,462	1,486					
Carried forward			176,464	179,584			16,619	16,691	

* Unmeasured Supplies only.

L.—STATEMENT OF DISTRIBUTION OF WATER

QUANTITY STATED IN MILLIONS OF GALLONS.

YEAR.	1 Quantity distributed by Gravitation—all in area of supply.	2 Quantity distributed by Pumping—in area of supply.	3 Quantity supplied in bulk—all by pumping.	4 Total Quantity Distributed Columns 1, 2 and 3	5 Daily Average Distribution in area of supply—average of Columns 1 and 2	TOTAL DISTRIBUTION IN DISTRICTS IN AREA OF SUPPLY.			NATURE OF TOTAL DISTRIBUTION IN AREA OF SUPPLY.		
						6 Low Level.	7 Middle Level.	8 High Level.	9 Measured.	10 Domestic, Unmeasured Trade Supplies, and Waste.	
To MAR. 31 1898	...	5,888		5,888	16-178	1,804	2,952	1,132	1,315	4,573	
1899	...	6,265		6,265	17-212	1,992	3,075	1,198	1,386	4,879	
1900	...	6,639		6,639	18-239	2,032	3,367	1,240	1,498	5,141	
1901	..	6,516		6,516	17-901	1,886	3,358	1,272	1,596	4,920	
1902	...	6,785		6,785	18-640	2,071	3,421	1,293	1,632	5,153	
1903	...	6,672		6,672	18-332	2,074	3,302	1,296	1,578	5,094	
1904	...	6,683*		6,683*	18-013	1,989	3,326	1,368	1,590	5,093	
1905	1,198	5,438		6,636	18-230	1,808	3,359	1,469	1,631	5,005	
1906	3,739	2,743		6,482	17-807	1,881	3,013	1,588	1,773	4,709	
1907	4,978	1,832		6,810	18-708	1,950	3,123	1,737	1,813	4,997	
1908	4,977	1,775		6,752	18-549	1,932	3,069	1,751	1,744	5,008	
1909	5,219	1,840	145	7,204	19-393	1,927	3,293	1,839	1,708	5,351	

* 53 weeks.

M.—ESTIMATED AVERAGE CONSUMPTION PER HEAD PER DAY.
YEAR ENDED MARCH 31st.

	1904. 18·013 m. g.	1905. 18·230 m. g.	1906. 17·807 m. g.	1907. 18·708 m. g.	1908. 18·549 m. g.	* 1909. 19·393 m. g.
Total average consumption per day ...						
Maximum Day :—						
Date	28th May, 1903.	16th Aug., 1904.	20th July, 1905.	28th Jan., 1907.	8th Jan., 1908.	2nd Jan. 1909.
Quantity	25·002 m. g.	25·121 m. g.	25·382 m. g.	25·471 m. g.	26·172 m. g.	50·634 m. g.
Estimated average population in supply for the year, based on 4·5 persons per house on the average number of houses in supply	743,611	758,637	772,877	786,838	799,992	813,337
Average gross consumption per head per day	24·22 galls.	24·03 galls.	23·04 galls.	23·78 galls.	23·19 galls.	23·84 galls.
Average consumption per head per day for Measured Trade Supplies, and for Railways, Street and Road Watering, Markets, &c.	5·76 galls.	5·91 galls.	6·30 galls.	6·33 galls.	5·99 galls.	5·77 galls.
Estimated average consumption per head per day for Unmeasured Trade Sup- plies, calculated on the basis of the rental, reckoning 6d. (the minimum meter rate) to represent 1,000 gallons	3·86 galls.	3·84 galls.	3·79 galls.	3·75 galls.	3·66 galls.	3·62 galls.
Net estimated consumption per head per day for Domestic, Fire, and Waste	14·60 galls.	11·28 galls.	12·95 galls.	13·70 galls.	13·54 galls.	14·45 galls.

N.—STATEMENT OF THE YEARLY EXPENDITURE OF CAPITAL.

27

Year.	MAINS.			Works and Buildings, less Depreciation.	Meters, less Depreciation.	Elev. Supply.	Capitalization under Section 22, Act, 1902.	Totals for Year.	Total to Date.
	Length in Miles.	Cost.	£	£	£	£	£	£	£
At Dec. 31, 1875	252.448	—	—	—	—	—	—	—	1,523,123
Jan. 1, 1876, to 31 Mar., 1897	308.130	256,580	337,131	4,593	942,322	—	1,540,626	3,063,749	
To 31 Mar., 1898	22.489	16,333	9,468 -200*	1,256	366,727	—	393,584	3,457,333	
1899	17.125	14,169 -1,000*	6,295 -2,275*	391	515,699	—	533,279	3,990,612	
1900	17.910	7,571 -1,150*	3,271 -3,250*	220	707,493	—	714,155	4,704,767	
1901	10.995	6,427 -540*	2,833 -3,310*	329	924,680	—	930,439	5,635,206	
1902	14.076	9,744 -110	1,415 -3,581*	257†	987,874	—	995,082	6,630,288	
1903	16.906	12,673	1,066	209†	458,301	—	469,208	7,099,496	
1904	18.740	19,526	-2,623* 1,363	467	352,896	33,818	406,247	7,505,743	
1905	21.970	15,779 -200*	-1,823* 5,845	47	283,514	46,826	350,784	7,856,527	
1906	19.430	11,861	-1,027* 4,893	439	126,389	35,420	177,210	8,033,737	
1907	17.950	13,475	-1,792* 4,910	249	60,815	19,616	97,450	8,131,187	
1908	18.600	13,358	-1,615* 3,494	266	36,143	16,941	68,289	8,199,476	
1909	13.030	8,188	-1,913* 951 -2,038*	58†	28,745	15,658	51,446	8,250,922	
	769.799	402,684	357,505	7,733	5,791,598	168,279	6,727,799		

* Depreciation of Temporary Mains and Works.

† Depreciation exceeds purchases.

LIBRARY
OF THE
UNIVERSITY OF ILLINOIS

ees.	Contributions Superannuat 1897 Schem	Profit.	Loss.		
			How COVERED.		
			By Contribution from Rates.	By Capitalization.	
	10	17	19	20	
	£	£	£	£	
	...	62,862			
	...	3,612			
	...	4,091			
	...	26,923			
	...	12,227			
	...	17,718			
	...	25,812			
	...	28,654			
	577	15,409			
	589	...			
	594	...			
	612	...			
	574	...			
	583	...	45,000	33,818	
	576	...	45,000	46,826	
	572	...	45,000	35,420	
	580	...	65,000	19,616	
	588	...	65,000	16,941	
	590	...	65,000	15,658	
	6,435	197,308	330,000	168,279	

O.—SUMMARY OF THE ACCOUNTS OF THE DEPARTMENT FROM 1876.

YEAR.	WATER RENTS.	REVENUE FROM VARIOUS MINOR SOURCES.									Total Revenue.	Working Expenses.	Gross Profit.	CAPITAL CHARGES.		Reserve under Forged Transfers Act, 1891.	NET RESULTS.								
		Unmeasured Supplies for Building Purposes.	Service Laying.	Testing Fittings.	Net Rents of Lands, etc.	Net Rents of Lands, etc. (Elan Estate.)	Profit on Hydraulic Power Supplies.	Fishing Subscriptions and Tickets.	Transfer Fees.	Contributions for Superannuation 1897 Scheme.				Under Acts 1875 and 1879.	Under Act 1892.		Profit.	Amount.	Loss.						
																			From Reserves.	By Contribution from Rates.	By Capitalization.				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	18	19	20				
Totals, 1st Jan., 1876, to 31st Mar., 1891 ...	£ 1,769,517	£ 1,617	£ 22,097	£ 257	£ 7,347	£ ...	£ ...	£ 1,441	£ 220	£ ...	£ 1,802,496	£ 622,423	£ 1,180,073	£ 1,145,453	£ ...	£ ...	£ 62,862	£ 28,242	£ 28,242	£	£				
1891-92 ...	139,684	563	657	124	313	...	...	296	19	...	141,656	53,677	87,979	84,367	...	...	3,612	...			
1892-93 ...	142,505	678	386	158	510	...	...	282	22	...	144,541	53,470	91,071	85,304	1,676	...	4,091	...					
1893-94 ...	175,286	631	1,264	174	454	...	...	289	18	...	178,116	58,804	119,312	85,294	7,095	...	26,923	...					
1894-95 ...	178,828	543	243	184	1,149	...	...	253	20	...	181,220	70,374	110,846	85,648	12,971	...	12,227	...					
1895-96 ...	186,870	688	855	152	1,081	...	...	205	19	...	189,870	69,779	120,091	85,056	17,317	...	17,718	...					
1896-97 ...	199,132	773	723	128	1,017	...	...	270	16	...	202,059	69,311	132,748	85,083	21,853	...	25,812	...					
1897-98 ...	210,920	1,001	1,034	191	428	...	...	188	17	...	213,779	69,908	143,871	85,152	30,065	...	28,654	...					
1898-99 ...	220,452	1,135	1,343	417	784	...	...	195	19	577	224,922	79,488	145,434	86,930	43,095	...	15,409	...					
1899-1900 ...	229,796	1,191	954	528	572	...	20	172	21	589	233,843	87,611	146,232	89,137	63,574	...	...	6,479	6,479				
1900-01 ...	240,110	856	346	304	688	...	— 32	102	20	594	242,988	97,152	145,836	88,548	90,025	...	...	32,737	32,737				
1901-02 ...	250,538	944	475	308	621	...	102	126	17	612	253,743	110,785	142,958	89,006	119,071	...	...	65,119	65,119				
1902-03 ...	254,934	1,063	133	581	837	...	104	63	19	574	258,308	108,418	149,890	88,815	141,114	...	...	80,039	80,039				
1903-04 ...	260,841	971	395	539	635	...	138	115	26	583	264,243	106,718	157,525	88,660	153,922	...	...	85,057	6,239	45,000	33,818		
1904-05 ...	267,671	874	45	516	473	...	155	246	21	576	270,577	105,668	164,909	88,715	167,770	250	...	91,826		45,000	46,826				
1905-06 ...	277,013	1,030	— 797	598	1,005	...	134	177	22	572	279,754	91,481	188,273	88,538	179,905	250	...	80,420		45,000	35,420				
1906-07 ...	284,283	844	310	561	1,122	1,733	— 17	209	15	580	289,640	97,622	192,018	88,475	187,909	250	...	84,616		65,000	19,616				
1907-08 ...	286,825	850	— 674	608	1,018	1,747	— 11	222	18	588	291,191	92,639	198,552	88,317	191,926	250	...	81,941		65,000	16,941				
1908-09 ...	292,585	993	319	527	1,005	1,221	22	187	17	590	297,466	96,162	201,304	88,466	193,246	250	...	80,658		65,000	15,658				
	5,867,790	17,245	30,108	6,855	21,059	4,701	615	5,038	566	6,435	5,960,412	2,141,490	3,818,922	2,714,964	1,622,534	1,250	197,308	717,134	218,855	330,000	168,279				

828.1
1353
1909/10

R 53. 24/5/10.

City of Birmingham.

REPORT

OF THE

WATER COMMITTEE

FOR PRESENTATION AT THE

SPECIAL MEETING OF THE COUNCIL,

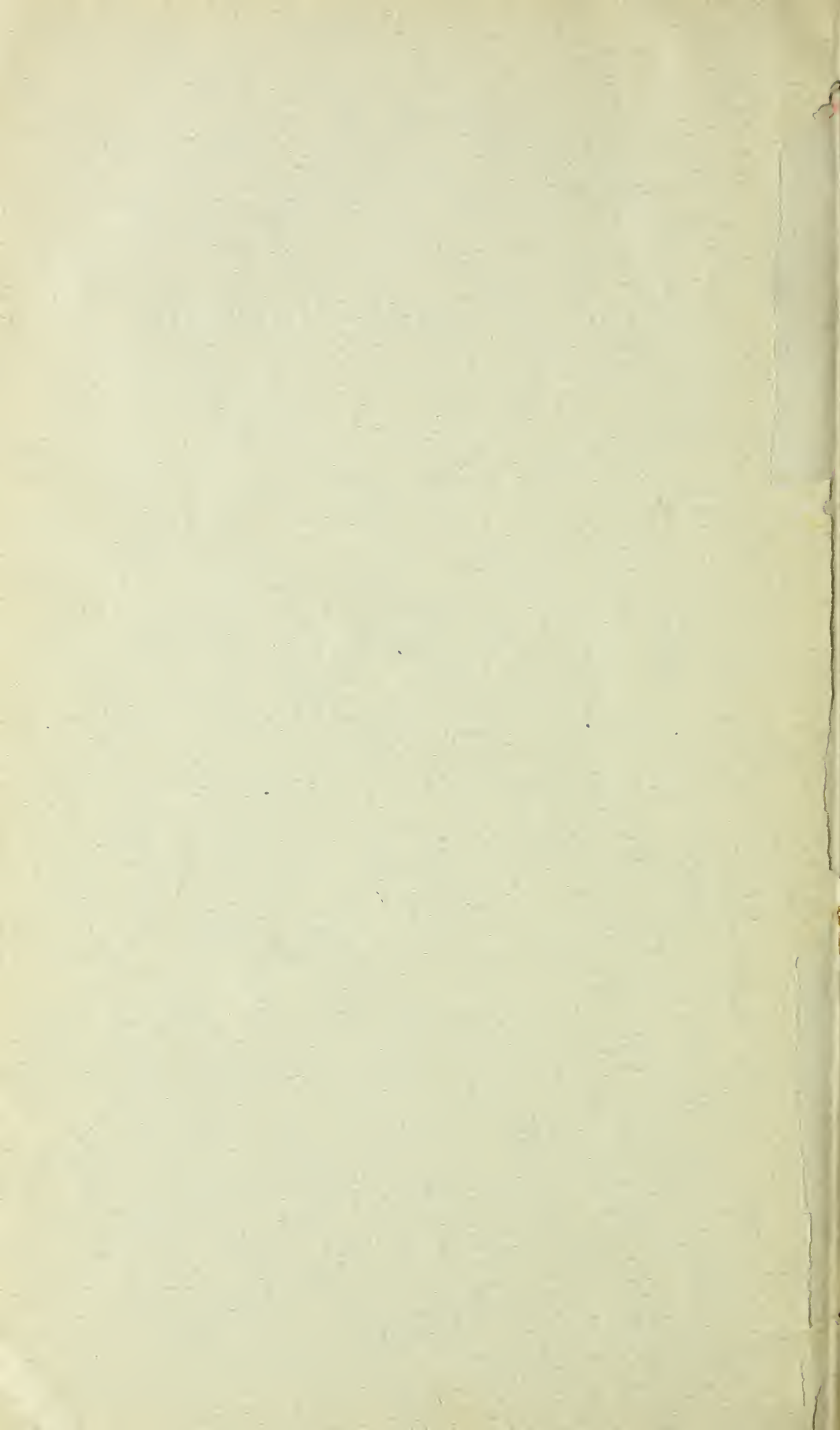
TO BE HELD ON

TUESDAY, MAY 24th, 1910.

BIRMINGHAM:

PERCIVAL JONES LIMITED, PRINTERS, 148-149, GREAT CHARLES STREET.

1910.



CITY OF BIRMINGHAM.

Report

OF THE

WATER COMMITTEE,

FOR PRESENTATION AT THE
SPECIAL MEETING OF THE COUNCIL, TO BE
HELD ON TUESDAY, MAY 24TH, 1910.

MEETINGS.

The Committee have, since their last Report, held five Meetings.

The Lord Mayor attended all of such Meetings.

				Attended.	Absent.
Mr. Alderman Barber	...	...	...	5	0
„ „ Beale	...	...	...	5	0
„ „ Clayton	...	...	...	5	0
„ „ Hunt	...	...	...	4	1
„ „ Lloyd	...	...	...	4	1
Mr. Councillor Crompton	...	...	...	2	3
„ „ Freeman	...	...	...	5	0
„ „ Martineau	...	...	...	4	1

ACCOUNTS.

Your Committee submit herewith the Accounts and Balance Sheet for the year ended March 31st, 1910.

The Water Rents show a total increase of £5,237, that is 1·78 per cent., against an increase of 2·05 per cent last year. It is, however, to be remarked that the present account includes the receipts for the supply to Coventry for a whole year, whereas that supply had been in operation during only one half of the previous year. Excluding the Coventry supply in each case, the increase in this account would have been ·92 per cent., against 1·18 per cent. in the previous year.

The analysis of the rental given in Table "I" shows that the domestic rental (which does not include the bulk supply to Coventry) has increased to the extent of 1·59 per cent., while the measured supplies as a whole show a reduction of ·55 per cent. This reduction is, however, entirely due to reduced consumption under the head of "Railways and Street and Road Watering," the trade supplies alone having increased ·62 per cent., against a reduction of ·30 per cent. last year.

The Revenue Account shows a gross profit of £205,022, against £201,304 a year ago. The charges on account of Capital shown in the Profit and Loss Account amount to a net total of £286,080, including a provision of £9,499 for redemption of debt, irrespective of the provision of £11,402 for extinction of annuities. The provision for redemption of debt is £2,960 in excess of the amount last year, in consequence of the commencement of the Sinking Fund in respect of the capital raised under the Act of 1892.

The deficiency for the year is £81,058 16s. 2d., against a corresponding sum of £80,657 16s. 10d. a year ago. Your Committee propose to deal with the deficiency as under :—

Contribution from Borough Fund			
and Rate Account	... ..	£65,000	0 0
Transfer from Capital Account (C)			
under Section 22 of the Bir-			
mingham Corporation Water			
Act, 1902...	... ..	11,235	16 2
Balance to be carried forward		4,823	0 0
		<hr/>	
		£81,058	16 2
		<hr/>	

Your Committee have limited the capitalisation so that the total amount capitalised agrees with the amount provided in the forecast table prepared in connection with the 1907 Act, and in order to cover the balance, they recommend that a supplementary contribution of £4,823 be transferred from the Borough Fund and Rate Account.

The Council will recognise that the necessity for this increased contribution has been occasioned by the retardation of the rate of growth of the rental, and while your Committee still believe that the anticipated rate of growth will be made good on the average of an extended period, they feel, and they are sure the Council will agree with them, that the prudent course is to provide for the deficiency at once, so as not to disturb the scheme of finance adopted on the passing of the 1907 Act.

As regards the coming year, your Committee recommend that provision be made for a contribution of £65,000 from the Borough Fund and Rate Account.

ELAN SUPPLY WORKS.

All of the works comprised in the first instalment of the Elan Supply Scheme have now been completed. The total cost has been £5,812,574, including the cost of strengthening the Severn Syphon and the Studley Tunnel, the completion and cost of which were reported to the Council on December 7th, 1909. On March 4th, 1902, your Committee presented to the Council a revised ultimate estimate of the cost of the first instalment of the works amounting to £5,884,918, so that the works, including the extras, have been completed at a cost of £72,314 under the ultimate estimate.

CONSUMPTION OF WATER.

The usual returns relative to the consumption of water during the year are submitted with this Report. The average daily distribution for the whole year within the area of supply has been 19·814 million gallons, against 19·393 million gallons in the previous year, being an increase of 2·17 per cent. The difference distributed over the several zones shows the following percentages:—

Low Level Zone	...	2·70 per cent. (increase).
Middle Level Zone	...	4·97 per cent. (increase).
High Level Zone	...	3·39 per cent. (decrease).

The measured supplies show a decrease of 1·87 per cent. in quantity, resulting in the decrease of ·55 per cent. in money already noted. The domestic and other unmeasured supplies show an increase of 6·06 per cent.

SUPPLY TO SHUSTOKE.

In connection with the Parliamentary proceedings in the Session of 1907, relative to the supply to Coventry of

water from Shustoke, an arrangement was made with the Meriden Rural District Council for a supply in the Parish of Shustoke. An agreement approved by the Local Government Board has now been entered into.

The Parish being outside the Birmingham Water Area, the distribution mains are provided by the District Council. The agreement provides that the District Council will support any application which Birmingham may make at any time to include the Parish within the Water Area, in which event the mains will be purchased at their then value by the Corporation from the District Council.

RAINFALL.

The rainfall at Witton, Whitacre, and in the Elan Valley during the past ten years has been as under :—

Year.	Witton.	Whitacre.	Average of Gauges in Elan Valley.
	Inches.	Inches.	Inches.
1900	29·26	33·02	63·04
1901	22·58	24·38	56·35
1902	24·58	25·78	50·94
1903	29·88	33·35	87·14
1904	20·09	23·58	51·80
1905	19·67	21·61	54·39
1906	24·54	24·98	67·59
1907	27·80	28·91	61·36
1908	28·27	25·37	59·32
1909	27·77	28·21	62·57
Average for the ten years }	27·76	29·57	61·45

In the case of the Elan Valley, the figures given for each year are the arithmetical average of the records of the gauges in operation during the year. This does not necessarily show the true rainfall over the whole area, and in view of the great importance of reliable data as to the water-yielding capacity of the gathering-ground in their bearing on the requirements of the future, your Committee have arranged with Dr. Hugh Robert Mill, Director of the British Rainfall Organisation, to advise as to the number and position of the rain gauges and to collate the returns, so as to determine accurately the average annual rainfall over the entire gathering ground.

A.—STATEMENT OF AUTHORIZED CAPITAL.

ON THE 31ST MARCH, 1910.

1	2	3	4
Description.	Total Amounts Borrowed and Liabilities on Annuities at 31st March, 1910.	Remaining to be Borrowed.	Total Amount Authorized
UNDER BIRMINGHAM (CORPORATION) WATER ACTS, 1875 AND 1879.			
Annuities	£ s. d.		
(Capitalized at 25 years' purchase)	1,213,663 6 8		
Birmingham Corporation 3½% Stock	421,100 2 2		
Ditto 3% Stock	208,898 1 10		
Ditto 2½% Stock	29,265 6 5		
Total amount outstanding	£1,872,926 17 1		
Annuities redeemed, Stock cancelled or transferred, and Loans repaid from Sinking Fund	224,933 1 7		
	£2,097,859 18 8		£2,097,859 18 8
UNDER BIRMINGHAM (CORPORATION) WATER ACT, 1892.			
Birmingham Corporation 3½% Stock	£ s. d.		
Ditto 3% Stock	64,606 19 1		
Ditto 2½% Stock	1,338,043 5 3		
Loans	1,242,418 16 0		
	3,534,467 3 9		
Total amount outstanding	£6,179,536 4 1		
Stock cancelled or transferred, and Loans repaid from Sinking Fund	32,963 15 11		
	£6,212,500 0 0	£387,500 0 0	£6,600,000 0 0

Dr.

B.—CAPITAL ACCOUNT No. 1, UNDER BIRMINGHAM
FOR THE YEAR ENDED

	Expenditure to 31st March, 1909.			Expenditure during the Year.			Total to 31st March, 1910.		
	£	s.	d.	£	s.	d.	£	s.	d.
1 To Expenditure to 31st March, 1909	2,097,859	18	8						
Less Sale of Lower Witton Reservoir Property				—3,600	0	0			
Total carried to Balance Sheet							2,094,259	18	8
Balance of Capital Account ...							3,600	0	0
									<u>£2,097,859 18 8</u>

Dr.

C.—CAPITAL ACCOUNT No. 2, UNDER BIRMINGHAM
FOR THE YEAR ENDED

1 To Expenditure on Elan Supply to 31st March, 1909	5,791,598	11	11	...					
2 „ Expenditure since that date	...			20,975	15	4			
Total carried to Balance Sheet	...			...			5,812,574	7	3
3 To Amount transferred to Profit and Loss Account under Sec. 22 of the Birming- ham Corporation Water Act, 1902, to 31st March, 1909	168,279	1	2						
4 „ Ditto for the year ended 31st March, 1910, see Account “E” ... ..	...			11,235	16	2			
Total carried to Balance Sheet	...			...			179,514	17	4
5 To Expenditure on Local Works to 31st March, 1909	193,184	14	4						
„ Expenditure since that date:—									
6 Extension of									
Works ... 1,635	10	7							
7 New Mains ... 20,928	8	11							
8 New Meters ... 315	2	9							
				22,879	2	3			
Less Depreciation as under:—									
9 Of Temporary									
Plant .. 1,928	12	9							
10 Of Meters ... 655	1	9							
				2,583	14	6			
Total carried to Balance Sheet	...			20,295	7	9	213,480	2	1
To Balance of Capital Account	...			...			6,205,569	6	8
							6,930	13	4
							<u>£6,212,500</u>	0	0

(CORPORATION) WATER ACTS, 1875 AND 1879.

Cr.

31st MARCH, 1910.

	Capital at 31st March, 1909.			Additions + or Reductions— during the Year.			Capital at 31st March, 1910.		
	£	s.	d.	£	s.	d.	£	s.	d.
1 By Annuities	1,235,826	13	4	— 22,163	6	8	1,213,663	6	8
2 „ Birmingham Corporation 3½ % Stock	422,748	7	9	— 1,648	5	7	421,100	2	2
3 „ Birmingham Corporation 3 % Stock	211,057	18	8	— 2,159	16	10	208,898	1	10
4 „ Birmingham Corporation 2½ % Stock	31,377	1	0	— 2,111	14	7	29,265	6	5
Total Amount Outstanding	...			...			1,872,926	17	1
5 „ Annuities redeemed and Stock cancelled from Sinking Fund ...)	196,849	17	11	+ 28,083	3	8	224,933	1	7
Total carried to Balance Sheet	...			...			£2,097,859	18	8

(CORPORATION) WATER ACT, 1892.

Cr.

31st MARCH, 1910.

1 By Birmingham Corporation 3½ % Stock	65,000	0	0	— 393	0	11	64,606	19	1
2 „ Birmingham Corporation 3 % Stock	1,339,810	12	9	— 1,767	7	6	1,338,043	5	3
3 „ Birmingham Corporation 2½ % Stock	1,242,554	18	7	— 136	2	7	1,242,418	16	0
4 „ Mortgages and Loans ...	3,535,750	0	0	— 1,282	16	3	3,534,467	3	9
Total Amount Outstanding	...			...			6,179,536	4	1
5 „ Stock cancelled or trans- ferred from Sinking Fund	29,384	8	8	+ 3,579	7	3	32,963	15	11
Total carried to Balance Sheet ... ..	...			...			£6,212,500	0	0

Dr.

D.—REVENUE

FOR THE YEAR ENDED

1909. £	MAINTENANCE OF WORKS, AND DISTRIBUTION OF WATER.			Year to 31st March 1910.	
		£	s. d.	£	s. d.
	OLD SUPPLY.				
772	1 To Pumping, including Salaries, Wages, Coal, and Stores, at Pumping Stations	2,748	0 3		
781	2 „ Filtration... ..	1,148	4 9		
3,121	3 „ Maintenance of Engines and Boilers	3,319	0 4		
2,069	4 „ Maintenance of Reservoirs and Pumping Stations	1,468	13 3		
6,743				8,683	18 7
	ELAN SUPPLY.				
3,146	5 „ Filtration and Hardening (Elan Valley)	2,889	15 10		
1,422	6 „ General Maintenance and Supervision of Elan Valley Works	1,511	15 7		
167	7 „ Administration of Elan Village	79	19 8		
7,214	8 „ Maintenance and Super- vision of Aqueduct ...	6,531	4 7		
3,836	9 „ Pumping at Frankley and Monument Road ...	3,603	0 10		
889	10 „ Maintenance of Engines and Boilers at Frankley and Monument Road ...	809	0 9		
1,983	11 „ Filtration (Frankley) ...	2,526	8 1		
9	12 „ Maintenance of Filters (Frankley)	104	14 3		
1,185	13 „ Maintenance of Works (Frankley)	760	3 11		
589	14 „ General Working Expenses and Wages (Frankley)	611	19 0		
20,440				19,428	2 6
£27,183	Carried forward ...	...		£28,112	1 1

ACCOUNT.

Gr.

31ST MARCH, 1910.

				Year to 31st March, 1910.			1909.
				£	s.	d.	£
1	By	Water Rents and Charges	293,747 19 7	...			291,078
2	„	Ditto ditto ditto Supplies in bulk	... 5,066 16 8	298,814 16 3			2,500
3	„	Profit on Testing Water Fittings and Laying and Maintenance of Services...		1,263 13 8			845
4	„	Net Rents of Lands, &c. (Old Works and Elan Aqueduct) ...	... ..	1,291 9 4			1,005
5	„	Net Rents of Lands, &c. (Elan Watershed)		1,345 4 6			1,222
6	„	Net Receipts on Fishing ...	... ..	197 14 4			187
7	„	Transfer Fees ...	... ..	10 7 6			17
8	„	Superannuation Scheme, 1909 :— Members' Contributions	... ..	618 2 11			590
9	„	Profit on Hydraulic Power Supplies	...	11 19 5			22
Carried forward				£303,553 7 11			£297,466

Dr.

D.—REVENUE

FOR THE YEAR ENDED

1909.					Year to 31st March, 1910.		
£		£	s.	d.	£	s.	d.
27,183	Brought forward ...	...			28,112	1	1
	MAINTENANCE OF WORKS, AND DISTRIBUTION OF WATER— <i>continued.</i>						
	GENERAL.						
3,736	15 To Maintenance and Renewal of Mains and Meters ...	3,480	1	10			
1,684	16 „ Salaries	1,736	14	4			
1,391	17 „ Waste Inspection ...	1,542	9	11			
66	18 „ Pensions prior to 1897 Scheme	17	10	8			
	Superannuation Scheme, 1909:—						
905	19 „ Superannuation Allowances ... 911 14 0						
416	20 „ Pensions to Offi- cers & Servants 425 6 6						
217	21 „ Optional Allow- ances 233 4 0						
		1,570	4	6			
77	22 „ Workmen's Compensation	112	6	3			
32,572	23 „ Rates and Taxes	33,999	19	2			
163	24 „ Rents, Tithes, Easements, and Wayleaves	179	4	7			
353	25 „ Chemical and Bacterio- logical Examination of Waters	351	4	0			
3,925	26 „ General Wages	4,029	4	10	47,019	0	1
45,505							
£72,688	Carried forward ...	...			£75,131	1	2

Dr.

D.—REVENUE

FOR THE YEAR ENDED

1909.		Year to 31st March, 1190.		
£		£	s.	d.
72,688	Brought forward ...	75,131	1	2
MANAGEMENT.				
12,461	27 To Office Salaries ...	12,954	0	3
601	28 „ Meter state-taking ...	613	7	8
65	29 „ Pensions prior to 1897 Scheme ...	65	0	0
	Superannuation Scheme, 1909 :—			
634	30 „ Superannuation Allowances... 737 1 5			
113	31 „ Contributions returned on retirement of Members ... —	737	1	5
4,084	32 „ Office and Incidental Expenses ...	3,582	19	2
2,999	33 „ Bank Commission and Share of Loans Fund Management Expenses...	3,087	8	3
1,893	34 „ Abatements ...	1,682	3	2
267	35 „ Bad Debts ...	308	2	8
357	36 „ Law and Professional Charges ...	370	14	0
23,474		23,400	16	7
96,162		98,531	17	9
201,304	37 „ Balance carried to Profit & Loss Account (E)	205,021	10	2
£297,466		£303,553	7	11

Dr.

E.—PROFIT AND

FOR THE YEAR ENDED

1909. £		Year to 31st March, 1910.		
		£	s.	d.
49,454	1 To Annuities	49,078	17	4
	2 „ INTEREST UNDER ACTS 1875 AND 1879.			
	On Birmingham Corporation Stock (including share of costs of issue) ...	22,794	5	10
22,965				
	3 „ INTEREST UNDER ACT 1892.			
	On Mortgages and Loans 115,195 17 9			
	On Birmingham Corpo- ration Stock (including share of costs of issue) 77,562 10 3			
117,212				
75,911				
193,123		192,758	8	0
	4 „ REDEMPTION OF DEBT.			
	Sinking Fund for Extinction of Annuities 11,401 14 5			
	Corporation Loans Fund for Redemption of Stock, viz.:—			
	3½% Stock... 2,041 6 6			
	3% „ ... 3,927 4 4			
	2½% „ ... 2,247 17 2			
		8,216	8	0
	Sinking Fund for Re- demption of Mortgages 1,282 16 3			
6,539		9,499	4	3
	5 „ Bank Interest	1,350	15	4
	6 „ Reserve in respect of Forged Transfers Act, 1891	250	0	0
250		287,133	5	2
<u>£283,427</u>				

LOSS ACCOUNT.

£r.

31ST MARCH, 1910.

				Year to 31st March, 1910.			1909.
				£	s.	d.	£
1	By Balance of Revenue Account (D)...	...	...	205,021	10	2	201,304
2	„ Hydraulic Power Account in respect of Capital Charges relative to the Hydraulic Installation, viz. :—						
	Interest under Acts 1875 and 1879 ...	228	10 7				
	Interest under Act 1892	287	13 1				
	Sinking Fund ...	536	15 2				
				1,052	18	10	1,049
3	„ Bank Interest ...	...	...	...			416
4	„ Contributions from Borough Fund and Rate Account...	65,000	0 0				
5	„ Transfer from Capital Account “ C ” under Section 22 of the Birming- ham Corporation Water Act, 1902 ...	11,235	16 2				
				76,235	16	2	80,658
6	„ Balance to be carried to next Account ...			4,823	0	0	
				£ 287,133	5	2	£283,427

Dr.

F.—HYDRAULIC

FOR THE YEAR ENDED

1909.		Year to 31st March, 1910.		
		£	s.	d.
£ 97	1 To Ground Rent	96	15	0
300	2 „ Poor and Improvement Rates on Buildings	296	17	6
384	3 „ Wages at Station	339	14	5
224	4 „ Gas	187	7	2
46	5 „ Stores, &c.	55	18	9
251	6 „ Water (10,158,000 Gallons at 6d. per 1,000)	253	14	0
1,302		1,230	6	10
1,071	7 „ Balance carried forward	1,064	18	3
2,373		£ 2,295	5	1
	8 To Charges on Capital Outlay, viz.:—			
	On Balance outstanding—			
		£	s.	d.
244	Under Acts 1875 and 1879, £7,617 13s. 10d. ...	228	10	7
284	Under Act 1892, £9,601 2s. 5d. ...	287	13	1
521	Sinking Fund, under Acts 1875 and 1879	536	15	2
			1,052	18 10
22	9 „ Profit for the Year carried to Revenue Account (D)		11	19 5
£1,071		£ 1,064	18	3

POWER SUPPLY ACCOUNT.

Cr.

31ST MARCH, 1910.

					Year to 31st March, 1910.	1909.
					£ s. d.	£
1	By Charges for power	...	...	...	2,295 5 1	2,373
					£ 2,295 5 1	2,373
2	By Balance brought forward	...	...	...	1,064 18 3	1,071
					£ 1,064 18 3	£1,071

Dr.

G.—SINKING FUND FOR

FOR THE YEAR ENDED

			£	s.	d.
1 To Balance brought from last Account	...	...	1,612	10	6
2 „ Purchase of Annuities for Redemption (capitalized at 25 years' purchase) as per Capital Account B	...	22,163 6 8			
3 „ Premiums on Annuities redeemed	..	3,983 1 10			
			26,146	8	6
			£27,758	19	0

Dr

H.—BALANCE SHEET

		£	s.	d.	£	s.	d.
1 To Capital Account No. 1, as per Account B	...				2,097,859	18	8
2 „ Capital Account No. 2, as per Account C	...				6,212,500	0	0
3 „ Reserve in respect of Forged Transfers Act, 1891	... ..				1,500	0	0
4 „ Annuities accrued to date	... ..	12,136	12	8			
5 „ Interest accrued to date	... ..	53,088	3	0			
6 „ Trade Creditors :—							
On Capital Account	... 191 19 8						
On Revenue Account	... 24,780 4 9						
		24,972	4	5	90,197	0	1
7 „ Treasurer of the City :—							
On Revenue Account	... ..	63,560	15	1			
On Sinking Fund Account	... ..	16,357	4	7			
					79,917	19	8
					£8,481,974	18	5

E. ANTONY LEES,

6th May, 1910.

Secretary.

			£	s.	d.
1	By Amount brought from Profit and Loss Account (E)	...	11,401	14	5
2	„ Balance to be carried to next Account	... ..	16,357	4	7
			<hr/>		
			£27,758	19	0

£27,758 19 0

Er.

						£	s.	d.
1	By Capital Account No. 1, as per Account B	...	...	...	...	2,094,259	18	8
	„ Capital Account No. 2, as per Account C:—							
2	On Elan Supply	...	...	...	...	5,812,574	7	3
3	Capitalization under Section 22, Act 1902	...	...	...	...	179,514	17	4
4	On Local Works	...	...	...	...	213,480	2	1
5	„ Profit and Loss Account, as per Account E—							
	Balance at Debit thereof	...	...	...	...	4,823	0	0
6	„ Sinking Fund Account, as per Account G—							
	Balance at Debit thereof	...	...	...	...	16,357	4	7
7	„ Debtors for Water Rents, Services, &c.	...	...	...	...	127,089	2	2
8	„ Stock of Iron Pipes, Coal, and General Stores...	...	...	...	...	22,652	2	8
9	„ Treasurer of the City:—							
	On Capital Account No. 1	...	3,600	0	0			
	On Capital Account No. 2	...	7,122	13	0	10,722	13	0
10	„ Cash in hands of Secretary	...	...	...	...	501	10	8
						£8,481,974	18	5

Auditors

TO 31ST MARCH, 1909 AND 1910.

	0.	Totals for 1910.	Increase.	Decrease.	Percentage. Increase + Decrease -
	s. d.	£ s. d.	£ s. d.	£ s. d.	
DOMESTIC SUPPLIES					
Domestic	6 3		2,505 7 9		1·61 +
Domestic	9 0			149 5 0	1·03 -
Baths	12 0		442 12 0		4·90 +
Garden and	11 0		54 19 0		4·09 +
TOTALS		182,334 18 3	2,853 13 9		1·59 +
UNMEASURED SUPPLIES					
Trade Supply	4 0		490 2 10		3·54 +
Lock-up Shop	5 9		44 12 0		0·86 +
Churches,	13 3		9 12 5		1·36 +
*Public-houses	9 3			96 13 9	1·61 -
Unmeasured	16 0			167 11 0	16·82 -
TOTAL FROM		27,089 8 3	280 2 6		1·04 +
MEASURED SUPPLIES					
Trade Supply	12 10		460 19 11		0·62 +
Railways, &c.	0 3			925 0 11	9·13 -
TOTALS		84,323 13 1		464 1 0	0·55 -
SUPPLIES IN		5,066 16 8	2,566 16 8		102·68 +
TOTAL		298,814 16 3	5,236 11 11		1·78 +

are supplied by Meter.

I.—COMPARATIVE ANALYSIS OF THE RENTALS FOR THE YEARS TO 31ST MARCH, 1909 AND 1910.

	1908.	1909.	Totals for 1909.	1910.	Totals for 1910.	Increase.	Decrease.	Percentage. Increase + Decrease -
	£	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	
DOMESTIC SUPPLIES.								
Domestic—not exceeding £50 net annual value	151,651	154,569 18 6		157,075 6 3		2,505 7 9		1·61 +
Domestic—exceeding £50 net annual value	14,535	14,521 14 0		14,372 9 0			149 5 0	1·03 -
Baths	8,546	9,046 0 0		9,488 12 0		442 12 0		4·90 +
Garden and Hose Pipe Watering	1,307	1,343 12 0		1,398 11 0		54 19 0		4·09 +
TOTALS FROM DOMESTIC SUPPLIES	176,039		179,481 4 6		182,334 18 3	2,853 13 9		1·59 +
UNMEASURED TRADE AND MISCELLANEOUS SUPPLIES.								
Trade Supplies	13,728	13,835 1 2		14,325 4 0		490 2 10		3·54 +
Lock-up Shops, Offices, and Warehouses	5,216	5,242 13 9		5,287 5 9		44 12 0		0·86 +
Churches, Chapels, and Schools	716	737 0 10		746 13 3		9 12 5		1·36 +
*Public-houses	6,141	6,001 3 0		5,904 9 3			96 13 9	1·61 -
Unmeasured Supplies for Building Purposes... ..	850	993 7 0		825 16 0			167 11 0	16·82 -
TOTAL FROM UNMEASURED TRADE AND MISCELLANEOUS SUPPLIES	26,651		26,809 5 9		27,089 8 3	280 2 6		1·04 +
MEASURED SUPPLIES.								
Trade Supplies	74,865	74,661 12 11		75,122 12 10		460 19 11		0·62 +
Railways, Street and Road Watering, Markets, etc. ..	10,100	10,126 1 2		9,201 0 3			925 0 11	9·13 -
TOTALS FROM MEASURED SUPPLIES	84,985		84,787 14 1		84,323 13 1		464 1 0	0·55 -
SUPPLIES IN BULK			2,500 0 0		5,066 16 8	2,566 16 8		102·68 +
TOTAL RENTAL... ..	287,675		293,578 4 4		298,814 16 3	5,236 11 11		1·78 +

* The figures in this line refer to the unmeasured supplies only. Many Public-houses are supplied by Meter.

UPPLIES.

Rents.	Water Rents.	Number of Houses, 31st March, 1909.	Number of Houses, 31st March, 1910.
--------	--------------	--	--

ERS—*continued.*

WEEKLY RENTS.	...	179,584	182,292
2/9			
3/6	or domestic		
4/3	ual value—	368	371
5/-	...	52	52
5/9	...	217	201
6/6	...	2,075	2,069
6/9			
8/-	SUPPLY ...	182,296	184,985

ATHS.

ANNUAL RENTS.	Annual Charge.		
£			
25	4/-	24	24
30	6/-	17,175	18,546
35	8/-	7,260	7,408
40	10/-	2,367	2,381
50	Schools...	308	343
60	...	1,706	1,734
	C	16,691	17,074

K.—SCHEDULE OF UNMEASURED SUPPLIES.

Rents.	Net Annual Value.	Water Rents.	Number of Houses, 31st March, 1909.	Number of Houses, 31st March, 1910.	Rents.	Net Annual Value.	Water Rents.	Number of Houses, 31st March, 1909.	Number of Houses, 31st March, 1910.
--------	-------------------	--------------	--	--	--------	-------------------	--------------	--	--

LANDLORDS.

WEEKLY RENTS.	£ s. d.			
2/9	5 0 0	6/-	774	786
3/6	7 10 0	8/-	15,222	15,142
4/3	7 10 0	8/-	8,640	8,732
5/-	10 0 0	10/-	33,626	33,428
5/9	10 0 0	10/-	15,639	16,378
6/6	12 10 0	15/-	34,796	35,304
6/9	12 10 0	16/6	11,892	12,226
8/-	12 10 0	16/6	9,008	9,245
9/6	15 0 0	20/-	11,186	11,645
10/-	17 10 0	22/-	6,620	6,636
ANNUAL RENTS.				
£				
25	20 0 0	24/-	4,252	4,256
30	25 0 0	29/6	2,499	2,451
35	30 0 0	35/6	970	968
40	35 0 0	41/6	437	427
50	40 0 0	47/6	278	263
60	50 0 0	57/-	166	164

OCCUPIERS—continued.

Brought forward	...	...	179,584	182,292
Supplies used wholly or in part for domestic purposes. Percentage on net annual value—				
3 per cent.	...	...	368	371
4 per cent.	...	...	52	52
5 per cent.	...	...	217	201
6 per cent.	...	...	2,075	2,069
TOTAL NUMBER OF HOUSES IN SUPPLY	...	...	182,296	184,985

BATHS.

ANNUAL RENT OF HOUSES.	Net Annual Charge	Annual Charge.		
£	£ s. d.			
...	10 0 0	4/-	24	24
30	25 0 0	6/-	17,175	18,546
60	50 0 0	8/-	7,260	7,408
Ex: 60	Ex. 50 0 0	10/-	2,367	2,381
TOTAL NUMBER OF BATHS	...	...	26,826	28,359

OCCUPIERS.

WEEKLY RENTS.	£ s. d.			
5/6	12 10 0	16/-	433	458
6/9	15 0 0	24/-	729	790
7/9	17 10 0	27/-	1,871	1,907
9/-	20 0 0	30/-	3,525	3,739
10/-	25 0 0	38/-	2,498	2,457
ANNUAL RENTS.				
£				
30	25 0 0	38/-	5,293	5,580
35	30 0 0	45/-	2,838	2,863
40	35 0 0	52/-	2,327	2,355
50	40 0 0	57/-	2,579	2,602
60	50 0 0	60/-	1,486	1,490
Carried forward	...	...	179,584	182,292

GARDEN AND HOSE PIPE WATERING.

	Annual Charge.		
Hose Pipes	10/-	1,979	2,075
Garden Taps	5/-	1,386	1,399
		3,365	3,474

MISCELLANEOUS UNMEASURED SUPPLIES.

Lock-up Shops, Offices, and Warehouses	...	2,830	2,896
Trade and Sundry Charges other than Domestic	...	10,499	10,778
* Full Licensed and Beer Houses	...	1,348	1,323
Churches, Chapels, Sunday and Day Schools...	...	308	343
Fire Hydrants and Fire Cocks	...	1,706	1,734
		16,691	17,074

* Unmeasured Supplies only.

L.—STATEMENT OF DISTRIBUTION OF WATER

QUANTITY STATED IN MILLIONS OF GALLONS.

YEAR.	1 Quantity distributed by Gravitation—all in area of supply.	2 Quantity distributed by Pumping—in area of supply.	3 Quantity supplied in bulk—all by pumping.	4 Total Quantity Distributed Columns 1, 2 and 3	5 Daily Average Distribution in area of supply—average of Columns 1 and 2	TOTAL DISTRIBUTION IN DISTRICTS IN AREA OF SUPPLY.			NATURE OF TOTAL DISTRIBUTION IN AREA OF SUPPLY.	
						6 Low Level.	7 Middle Level.	8 High Level.	9 Measured.	10 Domestic, Unmeasured Trade Supplies, and Waste.
To MAR. 31 1899	...	6,265		6,265	17·212	1,992	3,075	1,198	1,386	4,879
1900	...	6,639		6,639	18·239	2,032	3,367	1,240	1,498	5,141
1901	..	6,516		6,516	17·901	1,886	3,358	1,272	1,596	4,920
1902	...	6,785		6,785	18·640	2,071	3,421	1,293	1,632	5,153
1903	..	6,672		6,672	18·332	2,074	3,302	1,296	1,578	5,094
1904*	.	6,683		6,683	18·013	1,989	3,326	1,368	1,590	5,093
1905	1,198	5,438		6,636	18·230	1,808	3,359	1,469	1,631	5,005
1906	3,739	2,743		6,482	17·807	1,881	3,013	1,588	1,773	4,709
1907	4,978	1,832		6,810	18·708	1,950	3,123	1,737	1,813	4,997
1908	4,977	1,775		6,752	18·549	1,932	3,069	1,751	1,744	5,008
1909	5,219	1,840	145	7,204	19·393	1,927	3,293	1,839	1,708	5,351
1910*	5,213	2,138	304	7,655	19·814	2,017	3,523	1,811	1,676	5,675

* 53 weeks.

M.—ESTIMATED AVERAGE CONSUMPTION PER HEAD PER DAY.
YEAR ENDED MARCH 31st.

Total average consumption per day ...	1905. 18-230 m. g.	1906. 17-807 m. g.	1907. 18-708 m. g.	1908. 18-549 m. g.	1909. 19-393 m. g.	1910. 19-814 m. g.
Maximum Day :—						
Date	16th Aug., 1904.	20th July, 1905.	28th Jan., 1907.	8th Jan., 1908.	2nd Jan. 1909.	22nd May, 1909.
Quantity	25-121 m. g.	25-382 m. g.	25-471 m. g.	26-172 m. g.	30-634 m. g.	25-370 m. g.
Estimated average population in supply for the year, based on 4-5 persons per house on the average number of houses in supply	758,637	772,877	786,838	799,992	813,337	826,382
Average gross consumption per head per day	24-03 galls.	23-04 galls.	23-78 galls.	23-19 galls.	23-84 galls.	23-98 galls.
Average consumption per head per day for Measured Trade Supplies, and for Railways, Street and Road Watering, Markets, &c.	5-91 galls.	6-30 galls.	6-33 galls.	5-99 galls.	5-77 galls.	5-47 galls.
Estimated average consumption per head per day for Unmeasured Trade Supplies, calculated on the basis of the rental, reckoning 6d. (the minimum meter rate) to represent 1,000 gallons	3-84 galls.	3-79 galls.	3-75 galls.	3-66 galls.	3-62 galls.	3-53 galls.
Net estimated consumption per head per day for Domestic, Fire, and Waste	14-28 galls.	12-95 galls.	13-70 galls.	13-54 galls.	14-45 galls.	14-98 galls.

N.—STATEMENT OF THE YEARLY EXPENDITURE OF CAPITAL.

Year.	MAINS.		Works and Buildings, less Depreciation.	Meters, less Depreciation.	Eilan Supply.	Capitalization under Section 22, Act, 1902.	Totals for Year.	Total to Date.
	Length in Miles.	Cost.						
At Dec. 31, 1875	252·448	£ —	£ —	£ —	£ —	£ —	£ —	£ 1,523,123
Jan. 1, 1876, to 31 Mar., 1897	308·130	256,580	337,131	4,593	942,322	—	1,540,626	3,063,749
To 31 Mar., 1898	22·489	16,333	9,468 -200*	1,256	366,727	—	393,584	3,457,333
1899	17·125	14,169 -1,000*	6,295 -2,275*	391	515,699	—	533,279	3,990,612
1900	17·910	7,571 -1,150*	3,271 -3,250*	220	707,493	—	714,155	4,704,767
1901	10·995	6,427 -540*	2,853 -3,310*	329	924,680	—	930,439	5,635,206
1902	14·076	9,744 -110*	1,415 -3,581*	257†	987,874	—	995,082	6,630,288
1903	16·906	12,673	1,066 -2,623*	209†	458,301	—	469,208	7,099,496
1904	18·740	19,526	1,363 -1,823*	467	352,896	33,818	406,247	7,505,743
1905	21·970	15,779 -200*	5,845 -1,027*	47	283,514	46,826	350,784	7,856,527
1906	19·430	11,861	4,893 -1,792*	439	126,389	35,420	177,210	8,033,737
1907	17·950	13,475	4,910 -1,615*	249	60,815	19,616	97,450	8,131,187
1908	18·600	13,358	3,494 -1,913*	266	36,143	16,941	68,289	8,199,476
1909	13·030	8,188	951 -2,038*	58†	28,745	15,658	51,446	8,250,922
1910	16·250	20,928	1,636 -1,929*	340†	20,976	11,236	52,507 (-3,600¶)	8,299,829
	786·049	423,612	357,212	7,393	5,812,574	179,515	6,780,306	

* Depreciation of Temporary Mains and Works.

† Depreciation exceeds purchases.

¶ Sale of Lower Witten Property.

N.—STATEMENT OF THE YEARLY EXPENDITURE OF CAPITAL.

YEAR.	Fees.	Cont. Supp. 189	Re- Forged	How COVERED.	
				By Contribution from Rates.	By Capitalization.
				19 £	20 £
Totals, 1st Jan., 1876, to 31st Mar., 1891 ..	20				
1891-92	19				
1892-93	22				
1893-94	18				
1894-95	20				
1895-96	19				
1896-97	16				
1897-98	17				
1898-99	19				
1899-1900	21				
1900-01	20				
1901-02	17				
1902-03	19				
1903-04	26			45,000	33,818
1904-05	21			45,000	46,826
1905-06	22			45,000	35,420
1906-07	15			65,000	19,616
1907-08	18			65,000	16,941
1908-09	17			65,000	15,658
1909-10	10			65,000 4,823*	11,236
	76		1	399,823	179,515

* Supplemental.

O.—SUMMARY OF THE ACCOUNTS OF THE DEPARTMENT FROM 1876.

YEAR.	WATER RENTS.	REVENUE FROM VARIOUS MINOR SOURCES.									Total Revenue.	Working Expenses.	Gross Profit.	CAPITAL CHARGES.		Reserve under Forged Transfers Act, 1891.	NET RESULTS.				
		Unmeasured Supplies for Building Purposes.	Service Laying.	Testing Fittings.	Net Rents of Lands, etc.	Net Rents of Lands, etc. (Elan Estate.)	Profit on Hydraulic Power Supplies.	Fishing Subscriptions and Tickets.	Transfer Fees.	Contributions for Superannuation 1897 Scheme.				Under Acts 1875 and 1879.	Under Act 1892.		Profit.	Amount.	Loss.		
																			From Reserves	By Contribution from Rates.	By Capitalization.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	18	19	20
	£	£	£	£	£	£	£	£	£	£	£	£	£	£	£	£	£	£	£	£	£
Totals, 1st Jan., 1876, to 31st Mar., 1891 ..	1,769,517	1,617	22,097	257	7,347	...	...	1,441	220	...	1,802,496	622,423	1,180,073	1,145,453	...	...	62,862	28,242	28,242	£	£
1891-92 ...	139,684	563	657	124	313	...	...	296	19	...	141,656	53,677	87,979	84,367	...	...	3,612	...			
1892-93 ...	142,505	678	386	158	510	...	...	282	22	...	144,541	53,470	91,071	85,304	1,676	...	4,091	...			
1893-94 ...	175,286	631	1,264	174	454	...	...	289	18	...	178,116	58,804	119,312	85,294	7,095	...	26,923	...			
1894-95 ...	178,828	543	243	184	1,149	...	...	253	20	...	181,220	70,374	110,846	85,648	12,971	...	12,227	...			
1895-96 ...	186,870	688	855	152	1,081	...	...	205	19	...	189,870	69,779	120,091	85,056	17,317	...	17,718	...			
1896-97 ...	199,132	773	723	128	1,017	...	...	270	16	...	202,059	69,311	132,748	85,083	21,853	...	25,812	...			
1897-98 ...	210,920	1,001	1,034	191	428	...	...	188	17	...	213,779	69,903	143,871	85,152	30,065	...	28,654	...			
1898-99 ...	220,452	1,135	1,343	417	784	...	...	195	19	577	224,922	79,488	145,434	86,930	43,095	...	15,409	...			
1899-1900 ...	229,796	1,191	954	528	572	...	20	172	21	589	233,843	87,611	146,232	89,137	63,574	...	...	6,479	6,479		
1900-01 ..	240,110	856	346	304	688	...	32	102	20	594	242,988	97,152	145,836	88,548	90,025	...	...	32,737	32,737		
1901-02 ..	250,538	944	475	308	621	...	102	126	17	612	253,743	110,785	142,958	89,006	119,071	...	...	65,119	65,119		
1902-03 ...	254,934	1,063	133	581	837	...	104	63	19	574	258,308	108,418	149,890	88,815	141,114	...	...	80,039	80,039		
1903-04 ...	260,841	971	395	539	635	...	138	115	26	583	264,243	106,718	157,525	88,660	153,922	...	...	85,057	6,239	45,000	33,818
1904-05 ..	267,671	874	45	516	473	...	155	246	21	576	270,577	105,668	164,909	88,715	167,770	250	...	91,826	45,000	46,826	
1905-06 ...	277,013	1,030	797	598	1,005	...	134	177	22	572	279,754	91,481	188,273	88,538	179,905	250	...	80,420	45,000	35,420	
1906-07 ..	284,283	844	310	561	1,122	1,733	17	209	15	580	289,640	97,622	192,018	88,475	187,909	250	...	84,616	65,000	19,616	
1907-08 ...	286,825	850	674	608	1,018	1,747	11	222	18	588	291,191	92,639	198,552	88,317	191,926	250	...	81,941	65,000	16,941	
1908-09 ...	292,585	993	319	527	1,005	1,221	22	187	17	590	297,466	96,162	201,304	88,466	193,246	250	...	80,658	65,000	15,658	
1909-10 ...	297,989	826	869	395	1,291	1,345	12	198	10	618	303,553	98,532	205,021	88,429	197,401	250	...	81,059	65,000 4,823*	11,236	
	6,165,779	18,071	30,977	7,250	22,350	6,046	627	5,236	576	7,053	6,263,965	2,240,022	4,023,943	2,803,393	1,819,935	1,500	197,308	798,193	218,855	399,823	179,515

* Supplemental.

528.1
7353
910/11

R 57. 23/5/11.

City of Birmingham.

REPORT

OF THE

WATER COMMITTEE

FOR PRESENTATION AT THE

SPECIAL MEETING OF THE COUNCIL,

TO BE HELD ON

TUESDAY, MAY 23rd, 1911.

BIRMINGHAM:

PERCIVAL JONES LIMITED, PRINTERS, 143-9, GREAT CHARLES STREET

1911

221
1358
1014/11

CITY OF BIRMINGHAM.

LIBRARY
OF THE
UNIVERSITY OF ILLINOIS.

Report

OF THE

WATER COMMITTEE,

FOR PRESENTATION AT THE

SPECIAL MEETING OF THE COUNCIL, TO BE
HELD ON TUESDAY, MAY 23RD, 1911.

MEETINGS.

The Committee have, since their last Report, held five Meetings.

The Lord Mayor attended all of such Meetings.

					Attended.	Absent.
Mr. Alderman Barber	...	...	...	...	4	1
„ „ Beale	...	...	...	...	5	0
„ „ Clayton	...	...	...	...	5	0
„ „ Hunt	...	...	...	...	5	0
„ „ Lloyd	...	...	...	...	2	3
Mr. Councillor Crompton	...	...	...	...	3	2
„ „ Freeman	...	...	...	...	5	0
„ „ Martineau	...	...	...	...	5	0

ACCOUNTS.

Your Committee submit herewith the Accounts and Balance Sheet for the year ended March 31st, 1911.

The Water Rents show a total increase of £6,738, that is, 2·25 per cent., against an increase of 1·78 per cent. last year.

The analysis of the rental given in Table I. shows that the domestic rental has increased to the extent of 1·64 per cent., against 1·59 per cent. last year. The unmeasured trade supplies show a slight reduction, brought about by the re-assessment of public houses consequent upon the operations of the Finance Act, 1909-10. The measured supplies show an increase of 4·15 per cent., against a reduction of ·55 per cent. a year ago, while there has been a small increase in the bulk supply to Coventry.

The Revenue Account shows a gross profit of £213,671, against £205,021 last year. The charges on account of Capital shown in the Profit and Loss Account amount to a net total of £288,754, including a provision of £22,314 for redemption of debt and extinction of annuities, being £1,950 more than last year owing to the growing requirements of the Sinking Fund.

The deficiency for the year is £75,082 18s. 4d., against a corresponding sum of £81,058 16s. 2d. a year ago, being a reduction of £5,975 17s. 10d. on the year. Your Committee propose to deal with the deficiency as under :--

	£	s.	d.
Contribution received from Borough Fund			
and Rate Account	65,000	0	0
Transfer from Capital Account (C) under			
Section 22 of the Birmingham Corporation Water Act, 1902	7,130	18	4
Balance to be carried forward...	2,952	0	0
	<hr/>		
	£75,082	18	4
	<hr/>		

Your Committee have again limited the capitalisation, so that the total amount capitalised agrees with the amount provided in the forecast table prepared in connection with the 1907 Act, and in order to cover the balance they recommend that a supplementary contribution of £2,952 be transferred from the Borough Fund and Rate Account. This course follows the precedent of last year, when the supplementary contribution amounted to £4,823.

As regards the coming year, your Committee recommend that provision be made for a contribution of £65,000 from the same account.

REALISATION OF OLD WORKS.

Since the introduction of the Welsh Supply your Committee have from time to time, as opportunity has offered, disposed of surplus machinery, plant and pipes at some of the old works. Some small sales of land have also been effected, including a portion of the site of the Aston Pumping Station to Messrs. Emery Brothers. The sums realised on these accounts now amount to a total of £6,163 11s. 6d., which has been carried to the fund for extinction of annuities as an extra contribution beyond the ordinary sinking fund instalment.

ELAN AQUEDUCT.

With reference to the proposed strengthening of the Severn Syphon in the neighbourhood of the Severn Valley branch of the Great Western Railway, referred to in the Committee's Report presented on December 6th, 1910, tenders for the work were obtained; that of Messrs. John Aird and Sons, at £2,972, was accepted, and the contract is now approaching completion. In addition to this the Committee have undertaken the concreting of a short length of 90 yards of the Teme Syphon. This work also is nearing completion, and the cost will be between £450 and £500.

With the exception of these works on Capital Account, no incidents of moment have occurred in connection with the supply of water from the Elan Valley. The interruptions in the working of the Aqueduct during the year have been few in number, and have in no case interfered with the supply of water, which has throughout been given from the Elan Works exclusively.

HIGH LEVEL SUPPLY.

The central portions of the City are normally supplied from the Reservoir at Monument Road, as part of the Middle Level Zone. In addition to the Middle Level mains there has for many years been a duplicate system worked under the pressure of the High Level Zone. These mains were originally provided to give protection from fire, but the pressure on the Middle Level Mains being insufficient to reach the top storeys of the higher buildings, many of them have been connected with the high level system, and as the number of such buildings has increased, the demand on the high level mains has correspondingly grown, so much so as in times of special draught to exceed the efficient delivery capacity of the mains. The high level supply is at present brought into the City by a single line of main, passing along Hagley Road and Broad Street, and the risk of this arrangement was forcibly brought home to the Committee by a burst on the main in Hagley Road a few months ago.

In view therefore of the above, your Committee have undertaken the provision of a 12-inch main from the corner of Priory Road, along Bristol Road, Bristol Street, Wrentham Street, Kent Street, Claybrook Street, Bromsgrove Street and Jamaica Row to the junction of High Street and New Street, where it will connect with the existing high level main, the total estimated cost of the scheme being £3,950. The work will soon be completed, and the main will be in operation before the summer.

CONSUMPTION OF WATER.

The usual returns relative to the consumption of water during the year are submitted with this Report. The average daily distribution for the whole year within the area of supply has been 20·507 million gallons, against 19·814 million gallons in the previous year, being an increase of 3·50 per cent. The difference distributed over the several zones shows the following percentages:—

Low Level Zone	...	3·74 per cent.
Middle Level Zone	...	2·75 per cent.
High Level Zone	...	4·70 per cent.

The measured supplies have increased 8·51 per cent., while the domestic and other unmeasured supplies show an increase of 1·40 per cent. The bulk supply to Coventry has increased by 5·57 per cent.

RAINFALL.

The rainfall at Witton, Whitacre, and in the Elan Valley during the past ten years has been as under:—

Year	Witton.	Whitacre.	Average of Gauges in Elan Valley.
	Inches.	Inches.	Inches.
1901	22·58	24·38	56·35
1902	24·58	25·78	50·94
1903	29·88	33·35	87·14
1904	20·09	23·58	51·80
1905	19·67	21·61	54·39
1906	24·54	24·98	67·59
1907	27·80	28·91	61·36
1908	28·27	25·37	59·32
1909	27·77	28·21	62·57
1910	30·10	30·67	77·67
Average for the ten years }	25·52	26·68	62·91

ON THE 31ST MARCH, 1911.

7

1 Description.	2 Total Amounts Borrowed and Liability on Annuities at 31st Mar., 1911.	3 Remaining to be Borrowed.	4 Total Amount Authorized.
UNDER BIRMINGHAM (CORPORATION) WATER ACTS, 1875 AND 1879. Annuities (Capitalized at 25 years' purchase) Birmingham Corporation $3\frac{1}{2}\%$ Stock ... Ditto $3\frac{1}{2}\%$ Stock ... Ditto $2\frac{1}{2}\%$ Stock ...	£ s. d. 1,210,237 5 10 419,385 4 8 206,662 15 9 27,084 19 2		
Total amount outstanding ...	£1,863,370 5 5		
Annuities redeemed, Stock cancelled or transferred, and Loans repaid from Sinking Fund ...	234,489 13 3		
	£2,097,859 18 8		£2,097,859 18 8
UNDER BIRMINGHAM (CORPORATION) WATER ACT, 1892. Birmingham Corporation $3\frac{1}{2}\%$ Stock ... Ditto 3% Stock ... Ditto $2\frac{1}{2}\%$ Stock ... Loans ...	£ s. d. 64,083 13 5 1,335,049 13 11 1,242,279 5 4 3,553,145 17 10		
Total amount outstanding ... Stock cancelled or transferred, and Loans repaid from Sinking Fund ...	£6,194,508 10 6 37,991 9 6		
	£6,232,500 0 0	£367,500 0 0	£6,600,000 0 0

Dr.

B.—CAPITAL ACCOUNT No. 1, UNDER BIRMINGHAM

FOR THE YEAR ENDED

	Expenditure to 31st March, 1910.	Expenditure during the Year.	Total to 31st March, 1911.
	£ s. d.	£ s. d.	£ s. d.
1 To Expenditure to 31st March, 1910	2,094,259 18 8		
„ Expenditure since that date :			
2 New Mains 3,600 0 0		3,600 0 0	2,097,859 18 8
<i>Total carried to Balance Sheet</i>			£2,097,859 18 8

Dr.

C.—CAPITAL ACCOUNT No. 2, UNDER BIRMINGHAM

FOR THE YEAR ENDED

1 To Expenditure on Elan Supply to 31st March, 1910 ...	5,812,574 7 3		
2 „ Expenditure since that date		2,975 19 1	
<i>Total carried to Balance Sheet</i>			5,815,550 6 4
3 „ Amount transferred to Profit and Loss Account under Sec. 22 of the Birming- ham Corporation Water Act, 1902, to 31st March, 1910	179,514 17 4		
4 „ Do. for the year ended 31st March, 1911, see Account “E”		7,130 18 4	
<i>Total carried to Balance Sheet</i>			186,645 15 8
5 „ Expenditure on Local Works to 31st March, 1910	213,480 2 1		
„ Expenditure since that date :			
6 Extension of Works ... 1,042 19 9			
7 New Mains 3,704 17 7			
8 New Meters 673 2 7		5,420 19 11	
<i>Less Depreciation as under :—</i>			
9 Of Plant of short duration 1,603 14 3			
10 Of Meters ... 644 8 10		2,248 3 1	
<i>Total carried to Balance Sheet</i>	...	3,172 16 10	216,652 18 11
To Balance of Capital Account	...	...	6,218,849 0 11 13,650 19 1 £6,232,500 0 0

CORPORATION) WATER ACTS, 1875 AND 1879.

Cr.

31st MARCH, 1911.

	Capital at 31st March, 1910.			Additions + or Reductions – during the Year.			Capital at 31st March, 1911.		
	£	s.	d.	£	s.	d.	£	s.	d.
By Annuities	1,213,663	6	8	–	3,426	0 10	1,210,237	5	10
„ Birmingham Corporation 3½ % Stock	421,100	2	2	–	1,714	17 6	419,385	4	8
„ Birmingham Corporation 3 % Stock	208,898	1	10	–	2,235	6 1	206,662	15	9
„ Birmingham Corporation 2½ % Stock	29,265	6	5	–	2,180	7 3	27,084	19	2
Total Amount Outstanding	...			...			1,863,370	5	5
„ Annuities redeemed and Stock cancelled from Sinking Fund ...)	224,933	1	7	+	9,556	11 8	234,489	13	3
Total carried to Balance Sheet	...			...			£2,097,859	18	8

CORPORATION) WATER ACT, 1892.

Cr.

31st MARCH, 1911.

By Birmingham Corporation 3½ % Stock	64,606	19	1	-	573	5	8	64,033	13	5
„ Birmingham Corporation 3 % Stock	1,338,043	5	3	-	2,993	11	4	1,335,049	13	11
„ Birmingham Corporation 2½ % Stock	1,242,418	16	0	-	139	10	8	1,242,279	5	4
„ Mortgages and Loans ...	3,534,467	3	9	+	20,000	0	0	3,553,145	17	10
					-1,321	5	11			
Total Amount Outstanding	...			...				6,194,508	10	6
„ Stock cancelled or trans- ferred from Sinking Fund	32,963	15	11	+	5,027	13	7	37,991	9	6
Total carried to Balance Sheet	...			...				£6,232,500	0	0

Dr.

D.—REVENUE

FOR THE YEAR ENDED

1910. £	MAINTENANCE OF WORKS, AND DISTRIBUTION OF WATER.	Year to 31st March, 1911.		
		£	s.	d.
	OLD SUPPLY.			
	1 To Pumping, including Salaries, Wages, Coal, and Stores, at Pumping Stations	1,697	18	2
2,748				
1,148	2 „ Filtration... ..	1,110	8	6
3,319	3 „ Maintenance of Engines and Boilers	2,489	4	3
1,469	4 „ Maintenance of Reservoirs, Pumping Stations, etc.	1,805	8	7
8,684				7,102 19 6
	ELAN SUPPLY.			
2,890	5 „ Filtration and Hardening (Elan Valley)	2,596	9	4
1,512	6 „ General Maintenance and Supervision of Elan Valley Works	1,421	18	3
80	7 „ Administration of Elan Village	318	9	2
6,531	8 „ Maintenance and Super- vision of Aqueduct ...	5,358	13	6
3,603	9 „ Pumping at Frankley and Monument Road ...	3,702	17	3
809	10 „ Maintenance of Engines and Boilers at Frankley and Monument Road ...	703	19	5
2,526	11 „ Filtration (Frankley) ...	1,065	12	7
105	12 „ Maintenance of Filters (Frankley)	45	18	2
760	13 „ Maintenance of Works (Frankley)	1,031	5	8
612	14 „ General Working Expenses and Wages (Frankley)	608	1	10
19,428				16,853 5 2
£28,112	Carried forward ...	...		£23,956 4 8

ACCOUNT.

Cr.

31ST MARCH, 1911.

					Year to 31st March, 1911.			1910.
					£	s.	d.	£
1	By	Water Rents and Charges	300,204	12 7	...			293,748
2	„	Ditto ditto ditto Supplies in bulk	...	5,348 10 4	305,553	2	11	5,067
3	„	Profit on Testing Water Fittings and Laying and Maintenance of Services...			1,451	13	9	1,264
4	„	Net Rents of Lands, &c. (Old Works and Elan Aqueduct)			1 355	15	11	1,291
5	„	Net Rents of Lands, &c. (Elan Watershed)			1,294	4	9	1,345
6	„	Net Receipts on Fishing			187	0	6	198
7	„	Transfer Fees			12	15	0	10
8	„	Superannuation Scheme, 1909:— Members' Contributions	...	...	644	3	5	618
9	„	Profit on Hydraulic Power Supplies	..		...			12
Carried forward					£310,498	16	3	£303,553

Dr.

D.—REVENUE

FOR THE YEAR ENDED

1910. £					Year to 31st March, 1911.		
		£	s.	d.	£	s.	d.
28,112	Brought forward ...	...			23,956	4	8
	MAINTENANCE OF WORKS, AND DISTRIBUTION OF WATER— <i>continued.</i>						
	GENERAL.						
3,480	15 To Maintenance and Renewal of Mains and Meters ...	3,484	2	10			
1,737	16 „ Salaries	1,712	10	0			
1,543	17 „ Waste Inspection ...	1,472	19	6			
18	18 „ Pensions prior to 1897 Scheme	25	0	0			
	Superannuation Scheme, 1909:—						
912	19 „ Superannuation Allowances ... 896 14 11						
425	20 „ Pensions to Offi- cers & Servants 415 11 0						
233	21 „ Optional Allow- ances 230 16 0	1,543	1	11			
112	22 „ Workmen's Compensation	56	3	4			
34,000	23 „ Rates and Taxes	35,184	10	1			
179	24 „ Rents, Tithes, Easements, and Wayleaves	170	5	3			
351	25 „ Chemical and Bacterio- logical Examination of Waters	338	15	1			
4,029	26 „ General Wages	4,093	3	2	48,080	11	2
47,019							
£75,131	Carried forward ...	...			£72,036	15	10

ACCOUNT—*continued*.

31ST MARCH, 1911.

Cr.

	Year to 31st March, 1911.			1910.
	£	s.	d.	£
Brought forward	310,498	16	3	303,553
Carried forward	£310,498	16	3	£303,553

Dr.

D.—REVENUE

FOR THE YEAR ENDED

1910. £			Year to 31st March, 1911.	
			£	s. d.
75,131	Brought forward ...		72,036	15 10
	MANAGEMENT.			
12,954	27 To Office Salaries ...	13,511 8 5		
613	28 „ Meter state-taking ...	597 6 3		
65	29 „ Pensions prior to 1897 Scheme ...	65 0 0		
	Superannuation Scheme, 1909 :—			
737	30 „ Superannuation Allowances... 605 5 4			
—	31 „ Contributions returned on retirement of Members ... 64 2 9	669 8 1		
3,583	32 „ Office and Incidental Expenses ...	3,287 3 8		
3,088	33 „ Bank Commission and Share of Loans Fund Management Expenses...	3,097 4 8		
1,682	34 „ Abatements ...	2,069 5 7		
308	35 „ Bad Debts ...	1,037 12 1		
371	36 „ Law and Professional Charges ...	357 16 4		
23,401			24,692	5 1
—	37 „ Loss on Hydraulic Power Supplies ...		98	9 0
98,532			96,827	9 11
205,021	38 „ Balance carried to Profit & Loss Account (E)		213,671	6 4
£303,553			£310,498	16 3

Dr.

E.—PROFIT AND

FOR THE YEAR ENDED

1910. £			Year to 31st March, 1911.		
			£	s.	d.
	1 To Balance brought from last Account	...	4,823	0	0
49,079	2 „ Annuities	... ..	48,486	5	5
	3 „ INTEREST UNDER ACTS 1875 AND 1879.				
	On Birmingham Corporation Stock (including share of costs of issue)	...	22,617	15	1
22,794	4 „ INTEREST UNDER ACT 1892.				
	On Mortgages and Loans	115,916 3 6			
115,196	On Birmingham Corporation Stock (including share of costs of issue)	77,481 10 9			
77,562			193,397	14	3
192,758	5 „ REDEMPTION OF DEBT.				
	Sinking Fund for Extinction of Annuities		11,715	5	4
11,402	Corporation Loans Fund for Redemption of Stock, viz. :—				
	3½% Stock	2,288 3 2			
	3 % Stock	5,228 17 5			
	2½% Stock	2,319 17 11	9,836	18	6
	Sinking Fund for Redemp- tion of Mortgages	1,321 5 11			
9,499			11,158	4	5
1,351	6 „ Bank Interest	... ..	2,439	3	8
	7 „ Reserve in respect of Forged Transfers Act, 1891	... ..	—	
250					
£287,133			£ 294,637	8	2

LOSS ACCOUNT.

Cr.

31ST MARCH, 1911.

				Year to 31st March, 1911.			1910.
				£	s.	d.	£
1	By Supplementary Contribution from Borough Fund and Rate Account	...	...	4,823	0	0	—
2	„ Balance of Revenue Account (D)...	...	...	213,671	6	4	205,021
3	„ Hydraulic Power Account in respect of Capital Charges relative to the Hydraulic Installation, viz. :—						
	Interest under Acts 1875 and 1879	...	212 8 6				228
	Interest under Act 1892	...	288 6 4				288
	Sinking Fund under Acts 1875 and 1879		552 17 3				537
	Sinking Fund under Act 1892	...	6 11 5				—
				1,060	3	6	
4	„ Contribution from Borough Fund and Rate Account	...	65,000 0 0				
5	„ Transfer from Capital Account “C” under Section 22 of the Birmingham Cor- poration Water Act, 1902	...	7,130 18 4				
				72,130	18	4	76,236
6	„ Balance to be carried to next Account	...		2,952	0	0	4,823
				£ 294,637	8	2	£287,133

Dr.

F.—HYDRAULIC

FOR THE YEAR ENDED

1910.	£		Year to 31st March, 1911.		
			£	s.	d.
97	1	To Ground Rent	96	15	0
297	2	„ Poor and Improvement Rates on Buildings	306	5	0
340	3	„ Salaries and Wages at Station	386	14	3
187	4	„ Gas	184	13	7
56	5	„ Stores, &c.	82	8	7
253	6	„ Water (10,131,000 Gallons at 6d. per 1,000)	253	5	6
1,230			1,310	1	11
1,065	7	„ Balance carried forward	961	14	6
2,295			£ 2,271	16	5
	8	To Charges on Capital Outlay, viz.:—			
		On Balance outstanding—			
228		Under Acts 1875 and 1879, £7,080 18s. 8d.	212	8	6
288		Under Act 1892, £9,610 12s. 11d. ...	288	6	4
537		Sinking Fund under Acts 1875 and 1879	552	17	3
—		Sinking Fund under Act 1892	6	11	5
12		„ Profit for the year carried to Revenue Account (D)	—		
£1,065			£ 1,060	3	6

Dr.

G.—SINKING FUND FOR

FOR THE YEAR ENDED

		£	s.	d.
1 To Balance brought from last Account	... ..	16,357	4	7
2 „ Purchase of Annuities for Redemption (capitalized at 25 years' purchase) as per Capital Account B	... .. 3,426 0 10			
3 „ Premiums on Annuities redeemed	435 11 1			
		3,861	11	11
		£20,218	16	6

Dr

H.—BALANCE SHEET

	£	s.	d.	£	s.	d.
1 To Capital Account No. 1, as per Account B	...			2,097,859	18	8
2 „ Capital Account No. 2, as per Account C	...			6,232,500	0	0
3 „ Reserve in respect of Forged Transfers Act, 1891	... ..			1,500	0	0
4 „ Annuities accrued to date	... .. 12,102 7 5					
5 „ Interest accrued to date	... .. 53,205 12 1					
6 „ Trade Creditors :—						
On Capital Account	... 187 19 5					
On Revenue Account	... 19,946 11 8					
	20,134 11 1			85,442	10	7
7 „ Treasurer of the City :—						
On Revenue Account	... .. 67,278 8 8					
On Sinking Fund Account	... .. 2,339 19 8			69,618	8	4
				£8,486,920	17	7

E. ANTONY LEES,

4th May, 1911.

Secretary.

ANNUITIES ACCOUNT.

Dr.

31ST MARCH, 1911.

	£	s.	d.
1 By Amount brought from Profit and Loss Account (E) ...	11,715	5	4
2 „ Sale of Land and Works (Old Supply)	6,163	11	6
3 „ Balance to be carried to next Account	2,339	19	8
	<u>£20,218 16 6</u>		

31ST MARCH, 1911.

Cr.

	£	s.	d.
1 By Capital Account No. 1, as per Account B	2,097,859	18	8
Capital Account No. 2, as per Account C—			
2 „ On Elan Supply	5,815,550	6	4
3 Capitalisation under Section 22, Act 1902	186,645	15	8
4 On Local Works	216,652	18	11
5 „ Profit and Loss Account, as per Account E—			
Balance at Debit thereof	2,952	0	0
6 „ Sinking Fund Account, as per Account G—			
Balance at Debit thereof	2,339	19	8
7 „ Debtors for Water Rents, Services, &c.	127,701	11	5
8 „ Stock of Iron Pipes, Coal, and General Stores ...	22,868	18	10
9 „ Treasurer of the City :—			
On Capital Account No. 2	13,838	18	6
10 „ Cash in hands of Secretary	510	9	7
	<u>£8,486,920 17 7</u>		

Examined and found correct,

HOWARD SMITH, SLOCOMBE, & Co ,

4th May, 1911.

Auditors

I.—COMPARISON, 1910 AND 1911.

	1911.	Increase.			Decrease.			Percentage. Increase + Decrease -
	s. d.	£	s.	d.	£	s.	d.	
DOMESTIC SUPPLIES.								
Domestic—not exceeding		2,501	3	9				1·59 +
Domestic—exceeding £50					145	6	0	1·01 --
Baths		633	6	0				6·67 +
Garden and Hose Pipe W					6	19	0	0·50 --
TOTALS FROM DOMESTIC	3 0	2,982	4	9				1·64 +
UNMEASURED TRADE AND								
Trade Supplies		122	5	3				0·85 +
Lock-up Shops, Offices, and		123	0	3				2·33 +
Churches, Chapels, and S					5	6	6	0·67 --
*Public-houses					163	9	3	2·76 --
Unmeasured Supplies for					102	14	6	12·47 --
TOTALS FROM UNMEASURED	3 6				26	4	9	0·10 --
MEASURED SUPPLIES.								
Trade Supplies		3,309	4	2				4·40 +
Railways, Street and Road		191	8	10				2·08 +
TOTALS FROM MEASURED	6 1	3,500	13	0				4·15 +
	12 7	6,456	13	0				2·20 +
SUPPLIES IN BULK	10 4	281	13	8				5·57 +
TOTAL RENTAL	2 11	6,738	6	8				2·25 +

I.—COMPARATIVE ANALYSIS OF THE RENTALS FOR THE YEARS TO 31ST MARCH, 1910 AND 1911.

	1909.	1910.	Totals for 1910.	1911.	Totals for 1911.	Increase.	Decrease.	Percentage. Increase + Decrease -
	£	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	
DOMESTIC SUPPLIES.								
Domestic—not exceeding £50 net annual value	154,570	157,075 6 3		159,576 10 0		2,501 3 9		1·59 +
Domestic—exceeding £50 net annual value	14,522	14,372 9 0		14,227 3 0			145 6 0	1·01 -
Baths	9,046	9,488 12 0		10,121 18 0		633 6 0		6·67 +
Garden and Hose Pipe Watering	1,343	1,398 11 0		1,391 12 0			6 19 0	0·50 -
TOTALS FROM DOMESTIC SUPPLIES	179,481		182,334 18 3		185,317 3 0	2,982 4 9		1·64 +
UNMEASURED TRADE AND MISCELLANEOUS SUPPLIES.								
Trade Supplies	13,836	14,325 4 0		14,447 9 3		122 5 3		0·85 +
Lock-up Shops, Offices, and Warehouses	5,242	5,287 5 9		5,410 6 0		123 0 3		2·33 +
Churches, Chapels, and Schools	737	746 13 3		741 6 9			5 6 6	0·67 -
*Public-houses	6,001	5,904 9 3		5,741 0 0			163 9 3	2·76 -
Unmeasured Supplies for Building Purposes	993	825 16 0		723 1 6			102 14 6	12·47 -
TOTALS FROM UNMEASURED TRADE AND MISCELLANEOUS SUPPLIES	26,809		27,089 8 3		27,063 3 6		26 4 9	0·10 -
MEASURED SUPPLIES.								
Trade Supplies	74,662	75,122 12 10		78,431 17 0		3,309 4 2		4·40 +
Railways, Street and Road Watering, Markets, etc....	10,126	9,201 0 3		9,392 9 1		191 8 10		2·08 +
TOTALS FROM MEASURED SUPPLIES	84,788		84,323 13 1		87,924 6 1	3,500 13 0		4·15 +
			293,747 19 7		300,204 12 7	6,456 13 0		2·20 +
SUPPLIES IN BULK	2,500		5,066 16 8		5,348 10 4	281 13 8		5·57 +
TOTAL RENTAL	293,578		298,814 16 3		305,553 2 11	6,738 6 8		2·25 +

* The figures in this line refer to the unmeasured supplies only. Many Public-houses are supplied by Meter.

D SUPPLIES.

Rents Value.	Water Rents.	Number of Houses, 31st March, 1910.	Number of Houses, 31st March, 1911.
--------------	--------------	--	--

OCCUPIERS—continued.

WEEKLY R	forward	...	...	182,292	184,691
2/9					
3/6	in part for domestic				
	on net annual value—				
4/3	...	...	...	371	373
5/-	...	...	...	52	54
5/9	...	...	...	201	186
6/6	...	...	...	2,069	2,056
6/9					
8/-	HOUSES IN SUPPLY	...		184,985	187,360

BATHS.

10/-					
	Charge.	Annual Charge.			
ANNUAL R					
£	d.				
25	0	4/-	24	24	
30	0	6/-	18,546	20,431	
35	0	8/-	7,408	7,587	
40	0	10/-	2,381	2,413	
50			343	350	
	day and Day Schools				
60	Cocks	...	1,734	1,817	
			17,074	17,253	

K.—SCHEDULE OF UNMEASURED SUPPLIES.

Rents.	Net Annual Value.	Water Rents.	Number of Houses, 31st March, 1910.	Number of Houses, 31st March, 1911.	Rents.	Net Annual Value.	Water Rents.	Number of Houses, 31st March, 1910.	Number of Houses, 31st March, 1911.
LANDLORDS.					OCCUPIERS—continued.				
WEEKLY RENTS.	£ s. d.				Brought forward			182,292	184,691
2/9	5 0 0	6/-	786	746	Supplies used wholly or in part for domestic purposes. Percentage on net annual value—				
3/6	7 10 0	8/-	15,142	15,000	3 per cent.			371	373
4/3	7 10 0	8/-	8,732	8,658	4 per cent.			52	54
5/-	10 0 0	10/-	33,428	33,273	5 per cent.			201	186
5/9	10 0 0	10/-	16,378	16,896	6 per cent.			2,069	2,056
6/6	12 10 0	15/-	35,304	35,984					
6/9	12 10 0	16/6	12,226	12,902	TOTAL NUMBER OF HOUSES IN SUPPLY ...			184,985	187,360
8/-	12 10 0	16/6	9,245	9,743					
9/6	15 0 0	20/-	11,645	11,815					
10/-	17 10 0	22/-	6,636	6,512					
ANNUAL RENTS.					BATHS.				
£					ANNUAL RENT OF HOUSES.	Net Annual Charge.	Annual Charge.		
25	20 0 0	24/-	4,256	4,234	£	£ s. d.			
30	25 0 0	29/6	2,451	2,396	...	10 0 0	4/-	24	24
35	30 0 0	35/6	968	896	30	25 0 0	6/-	18,546	20,431
40	35 0 0	41/6	427	409	60	50 0 0	8/-	7,408	7,587
50	40 0 0	47/6	263	247	Ex: 60	Ex: 50 0 0	10/-	2,381	2,413
60	50 0 0	57/-	164	159	TOTAL NUMBER OF BATHS			28,359	30,455
OCCUPIERS.					GARDEN AND HOSE PIPE WATERING.				
WEEKLY RENTS.	£ s. d.					Annual Charge.			
5/6	12 10 0	16/-	458	496	Hose Pipes	10/-	2,075	2,058	
6/9	15 0 0	24/-	790	840	Garden Taps	5/-	1,399	1,385	
7/9	17 10 0	27/-	1,907	2,058			3,474	3,443	
9/-	20 0 0	30/-	3,739	3,961					
10/-	25 0 0	38/-	2,457	2,447					
ANNUAL RENTS.					MISCELLANEOUS UNMEASURED SUPPLIES.				
£					Lock-up Shops, Offices, and Warehouses ...		2,896	2,996	
30	25 0 0	38/-	5,580	5,637	Trade and Sundry Charges other than Domestic		10,778	10,792	
35	30 0 0	45/-	2,863	2,884	*Full Licensed and Beer Houses		1,323	1,298	
40	35 0 0	52/-	2,355	2,404	Churches, Chapels, Sunday and Day Schools		343	350	
50	40 0 0	57/-	2,602	2,594	Fire Hydrants and Fire Cocks		1,734	1,817	
60	50 0 0	60/-	1,490	1,500					
Carried forward			182,292	184,691			17,074	17,253	

* Unmeasured Supplies only.

QUANTITY STATED IN MILLIONS OF GALLONS.

YEAR.	1 Quantity distributed by Gravitation—all in area of supply.	2 Quantity distributed by Pumping—in area of supply.	3 Quantity supplied in bulk—all by pumping.	4 Total Quantity Distributed Columns 1, 2 and 3	5 Daily Average Distribution in area of supply—average of Columns 1 and 2	TOTAL DISTRIBUTION IN DISTRICTS IN AREA OF SUPPLY.			NATURE OF TOTAL DISTRIBUTION in AREA OF SUPPLY.	
						6 Low Level.	7 Middle Level.	8 High Level.	9 Measured.	10 Domestic, Unmeasured Trade Supplies, and Waste.
To MAR. 31 1899	...	6,265		6,265	17-212	1,992	3,075	1,198	1,386	4,879
1900	...	6,639		6,639	18-239	2,032	3,367	1,240	1,498	5,141
1901	...	6,516		6,516	17-901	1,886	3,358	1,272	1,596	4,920
1902	...	6,785		6,785	18-640	2,071	3,421	1,293	1,632	5,158
1903	..	6,672		6,672	18-332	2,074	3,302	1,296	1,578	5,094
1904*	...	6,683		6,683	18-013	1,989	3,326	1,368	1,590	5,033
1905	1,198	5,438		6,636	18-230	1,808	3,359	1,469	1,631	5,005
1906	3,739	2,743		6,482	17-807	1,881	3,013	1,588	1,773	4,709
1907	4,978	1,832		6,810	18-708	1,950	3,123	1,737	1,813	4,997
1908	4,977	1,775		6,752	18-549	1,932	3,069	1,751	1,744	5,008
1909	5,219	1,840	145	7,204	19-393	1,927	3,293	1,839	1,708	5,351
1910*	5,213	2,138	304	7,655	19-814	2,017	3,523	1,811	1,676	5,675
1911	5,604	1,860	321	7,785	20-507	2,053	3,551	1,860	1,819	5,645

* 53 weeks.

M.—ESTIMATED AVERAGE CONSUMPTION PER HEAD PER DAY.
YEAR ENDED MARCH 31st.

Total average consumption per day ...	1906. 17·807 m. g.	1907. 18·708 m. g.	1908. 18·549 m. g.	1909. 19·393 m. g.	1910. 19·814 m. g.	1911. 20·507 m. g.
Maximum Day :—						
Date	20th July, 1905.	28th Jan., 1907.	8th Jan., 1908.	2nd Jan. 1909.	22nd May, 1909	21st June, 1910
Quantity	25 382 m. g.	25·471 m. g.	26·172 m. g.	30·634 m. g.	25·370 m. g.	25·822 m. g.
Estimated average population in supply for the year, based on 4·5 persons per house on the average number of houses in supply						
Average gross consumption per head per day	772,877	786,838	99,992	813,337	826,382	837,776
Average consumption per head per day for Measured Trade Supplies, and for Railways, Street and Road Watering, Markets, &c.	23·04 galls.	23·78 galls.	23·19 galls.	23·84 galls.	23·98 galls.	24·48 galls.
Estimated average consumption per head per day for Unmeasured Trade Supplies, calculated on the basis of the rental, reckoning 6d. (the minimum meter rate) to represent 1,000 gallons	6·30 galls.	6·33 galls.	5·99 galls.	5·77 galls.	5·47 galls	5·97 galls.
Net estimated consumption per head per day for Domestic, Fire, and Waste	3·79 galls.	3·75 galls.	3·66 galls.	3·62 galls.	3·53 galls.	3·55 galls.
	12·95 galls.	13·70 galls.	13·54 galls.	14·45 galls.	14·98 galls.	14·96 galls.

Year	MAINS.		Works and Buildings, less Depreciation.	Meters, less Depreciation.	Elan Supply.	Capitalization under Section 22, Act 1902.	Totals for Year.	Total to Date.
	Length in Miles	Cost.	£	£	£	£	£	£
At Dec. 31, 1875	252.448	—	—	—	—	—	—	1,523,123
Jan. 1, 1876, to 31 Mar., 1897	308.130	256,580	337,131	4,593	942,322	—	1,540,626	3,063,749
To 31 Mar., 1898	22.489	16,333	9,468 -200*	1,256	366,727	—	393,584	3,457,333
1899	17.125	14,169	6,295 -2,275*	391	515,699	—	533,279	3,990,612
1900	17.910	7,571	3,271 -3,250*	220	707,493	—	714,155	4,704,767
1901	10.995	6,427	2,853 -3,310*	329	924,680	—	930,439	5,635,206
1902	14.076	9,744	1,415 -3,584*	-257†	987,874	—	995,082	6,630,288
1903	16.906	12,673	1,066 -2,623*	-209†	458,301	—	469,208	7,099,496
1904	18.740	19,526	1,363 -1,823*	467	352,896	33,818	406,247	7,505,743
1905	21.970	15,779	5,845 -1,027*	47	283,514	46,826	350,784	7,856,527
1906	19.430	11,861	4,893 -1,792*	439	126,389	35,420	177,210	8,033,737
1907	17.950	13,475	4,910 -1,615*	249	60,815	19,616	97,450	8,131,187
1908	18.600	13,358	3,494 -1,913*	266	36,143	16,941	68,289	8,199,476
1909	13.030	8,188	951 -2,038*	-58‡	28,745	15,658	51,446	8,250,922
1910	16.250	20,928	1,636 -1,929*	-340‡	20,976	11,236	52,507 (-3,600*)	8,299,829
1911	11.570	3,705 +3,600*	1,043 -1,604*	29	2,976	7,131	13,280 +3,600*	8,316,709
	797.619	430,917	356,651	7,422	5,815,550	186,646	6,797,186	

* Depreciation of Temporary Mains and Works.

† Depreciation exceeds purchases.

‡ Sale of Lower Wilton Property. Re-spent in 1911.



NET RESULTS.

Loss.

HOW COVERED.

From Reserves.

By Contribution
from Rates.

By Capitalization.

18

19

20

£

£

£

28,242

...

...

...

...

...

...

...

...

...

...

...

...

...

...

...

...

...

...

...

...

...

...

...

...

...

...

6,479

...

...

32,737

...

...

65,119

...

...

80,039

...

...

6,239

45,000

33,818

...

45,000

46,826

...

45,000

35,420

...

65,000

19,616

...

65,000

16,941

...

65,000

15,658

...

65,000

11,236

...

4,823*

65,000

7,131

2,952*

218,855

467,775

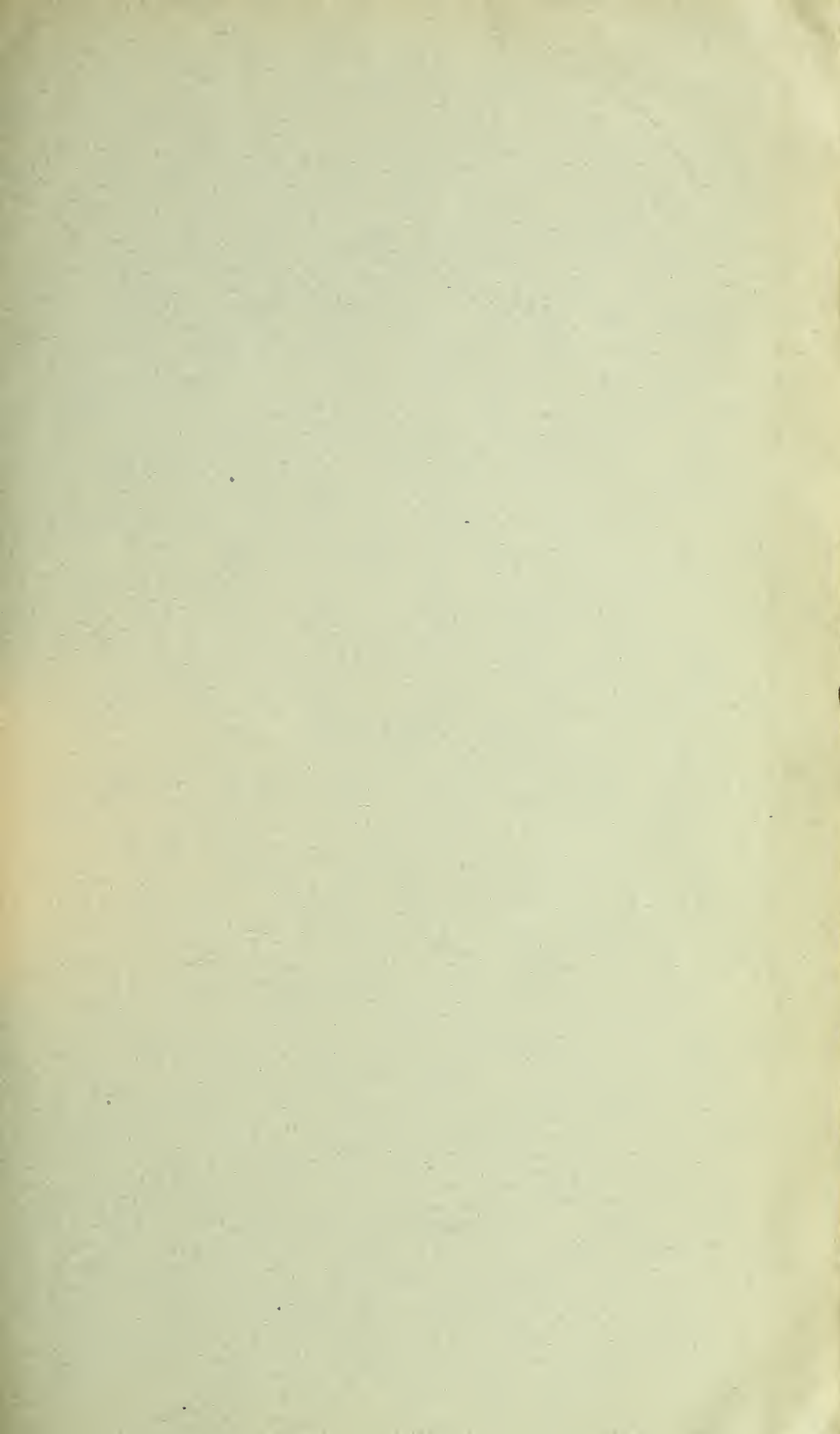
186,646

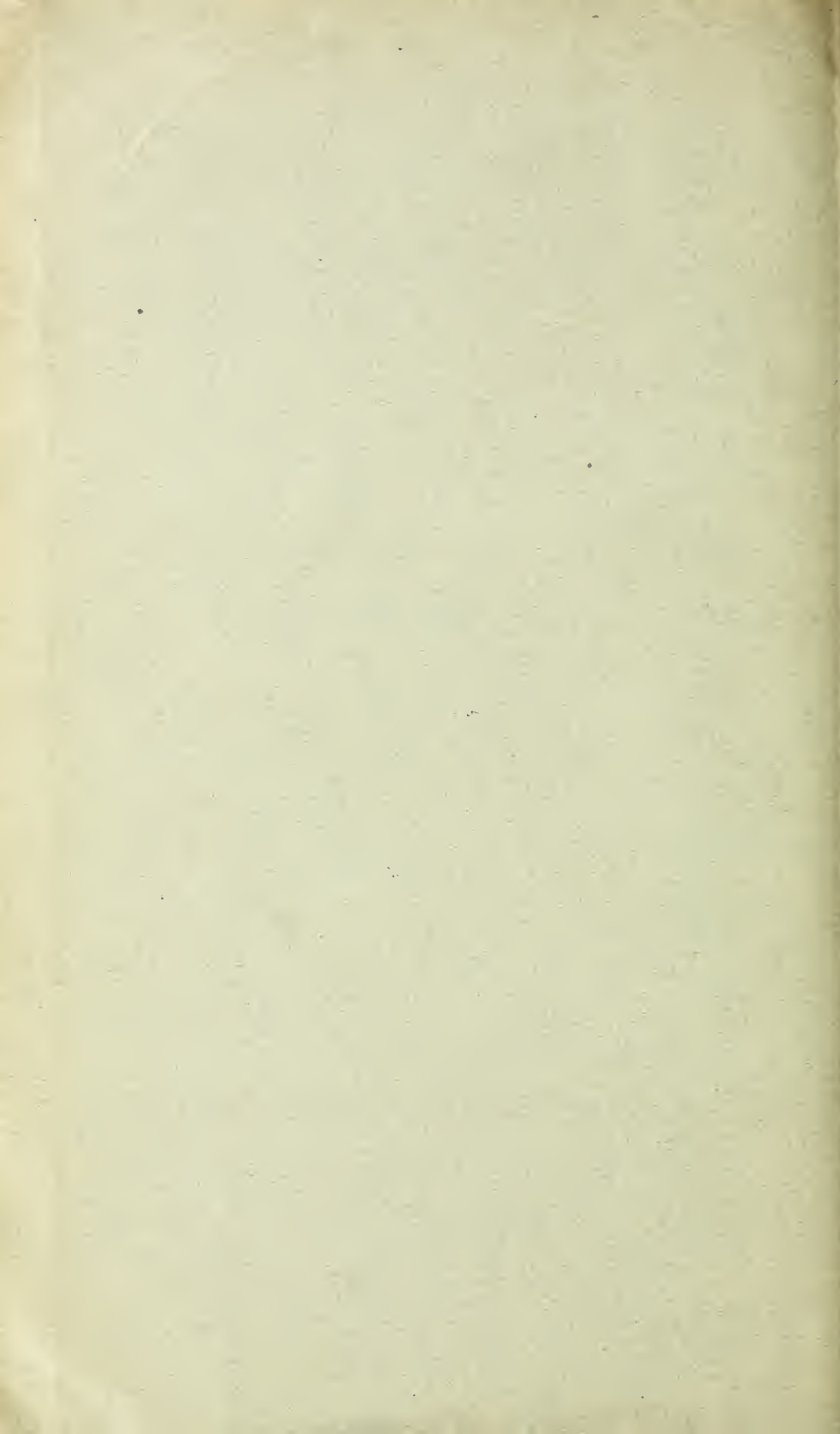
* Supplemental.

O.—SUMMARY OF THE ACCOUNTS OF THE DEPARTMENT FROM 1876.

YEAR.	WATER RENTS.	REVENUE FROM VARIOUS MINOR SOURCES.								Total Revenue.	Working Expenses.	Gross Profit.	CAPITAL CHARGES.		Reserve under Forged Transfers Act, 1891.	NET RESULTS.				
		Service Laying.	Testing Fittings.	Net Rents of Lands, etc.	Net Rents of Lands, etc. (Elen Estate.)	Profit on Hydraulic Power Supplies.	Fishing Subscriptions and Tickets.	Transfer Fees.	Contributions for Superannuation 1909 Scheme.				Under Acts 1875 and 1879.	Under Act 1892.		Profit.	Loas.			
																	Amount.	How COVERED.		
																		From Reserves.	By Contribution from Rates.	By Capitalization.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
£	£	£	£	£	£	£	£	£	£	£	£	£	£	£	£	£	£	£	£	
Totals, 1st Jan., 1876, to 31st Mar., 1891 ... }	1,771,184	22,097	257	7,347	...	...	1,441	220	...	1,802,496	622,423	1,180,073	1,145,453	...	...	62,862	28,242	28,242	...	...
1891-92 ...	140,247	657	124	313	...	...	296	19	...	141,656	53,677	87,979	84,367	...	...	3,612	...	...	...	...
1892-93 ...	143,183	386	158	510	...	...	282	22	...	144,541	53,470	91,071	85,304	1,676	...	4,091	...	...	...	...
1893-94 ...	175,917	1,264	174	454	...	...	289	18	...	178,116	58,804	119,312	85,294	7,095	...	26,923	...	...	...	...
1894-95 ...	179,371	243	184	1,149	...	...	253	20	...	181,220	70,374	110,846	85,648	12,971	...	12,227	...	...	...	...
1895-96 ...	187,558	855	152	1,081	...	...	205	19	...	189,870	69,779	120,091	85,056	17,317	...	17,718	...	...	...	...
1896-97 ...	199,905	723	128	1,017	...	...	270	16	...	202,059	69,311	132,748	85,083	21,853	...	25,812	...	..	...	...
1897-98 ...	211,921	1,034	191	428	...	...	188	17	...	213,779	69,908	143,871	85,152	30,065	...	28,654	...	...	...	...
1898-99 ...	221,587	1,343	417	784	...	...	195	19	577	224,922	79,488	145,434	86,930	43,095	...	15,409	...	...	...	...
1899-1900 ...	230,987	954	528	572	...	20	172	21	589	233,843	87,611	146,232	89,137	63,574	...	...	6,479	6,479	...	...
1900-01 ...	240,966	346	304	688	...	— 32	102	20	594	242,988	97,152	145,836	88,548	90,025	...	...	32,737	32,737	...	...
1901-02 ..	251,482	475	308	621	...	102	126	17	612	253,743	110,785	142,958	89,006	119,071	...	...	65,119	65,119	...	...
1902-03 ...	255,997	133	581	837	...	104	63	19	574	258,308	108,418	149,890	88,815	141,114	...	...	80,039	80,039	...	..
1903-04 ...	261,812	395	539	635	...	138	115	26	583	264,243	106,718	157,525	88,660	153,922	...	...	85,057	6,239	45,000	33,818
1904-05 ...	268,545	45	516	473	...	155	246	21	576	270,577	105,668	164,909	88,715	167,770	250	...	91,826	...	45,000	46,826
1905-06 ...	278,043	— 797	598	1,005	...	134	177	22	572	279,754	91,481	188,273	88,538	179,905	250	...	80,420	...	45,000	35,420
1906-07 ...	285,127	310	561	1,122	1,733	— 17	209	15	580	289,640	97,622	192,018	88,475	187,909	250	...	84,616	...	65,000	19,616
1907-08 ...	287,675	— 674	608	1,018	1,747	— 11	222	18	588	291,191	92,639	198,552	88,317	191,926	250	...	81,941	...	65,000	16,941
1908-09 ...	293,578	319	527	1,005	1,221	22	187	17	590	297,466	96,162	201,304	88,466	193,246	250	...	80,658	...	65,000	15,658
1909-10 ...	298,815	869	395	1,291	1,345	12	198	10	618	303,553	98,532	205,021	88,429	197,401	250	...	81,059	...	65,000	11,236
1910-11 ...	305,553	1,010	442	1,356	1,294	— 98	187	13	644	310,401	96,827	213,574	88,184	200,570	...	...	75,083	...	4,823* 65,000 2,952*	7,131
	6,489,403	31,987	7,692	23,706	7,340	529	5,423	589	7,697	6,574,366	2,336,849	4,237,517	2,891,577	2,020,505	1,500	197,308	873,276	218,855	467,775	186,646

* Supplemental.





528.1

B53

1911/12

LIBRARY
OF THE
UNIVERSITY OF ILLINOIS.

R 60. 8/5/12.

City of Birmingham.

REPORT

OF THE

WATER COMMITTEE

FOR PRESENTATION AT THE

SPECIAL MEETING OF THE COUNCIL,

TO BE HELD ON

TUESDAY, MAY 21st, 1912.

BIRMINGHAM:
PERCIVAL JONES LIMITED, PRINTERS, 148-9, GREAT CHARLES STREET

1912

CITY OF BIRMINGHAM.

Report

OF THE

WATER COMMITTEE,

FOR PRESENTATION AT THE
SPECIAL MEETING OF THE COUNCIL, TO BE
HELD ON TUESDAY, MAY 21st, 1912.

MEETINGS.

The Committee have, since their last Report, held nine Meetings.

The Lord Mayor attended seven of such Meetings.

					Attended.	Absent.
Mr. Alderman Barber	...	...	...	...	3	2
„ „ Beale	...	...	...	...	7	2
„ „ Bewlay	...	...	...	...	9	0
„ „ Clayton	...	...	...	...	8	1
„ „ Lloyd	...	...	...	...	8	1
„ „ Welsh	...	...	...	...	8	1
Mr. Councillor Appleby	...	...	...	...	9	0
„ „ Bayliss	...	...	...	...	9	0
„ „ Charles	...	...	...	...	7	2
„ „ Martineau	...	...	...	...	9	0

ACCOUNTS.

Your Committee submit herewith the Accounts and Balance Sheet for the year ended March 31st, 1912.

The Water Rents show a total increase of £10,737, that is, 3·51 per cent., against an increase of 2·25 per cent. last year.

The analysis of the rental given in Table I. shows that the domestic rental has increased to the extent of 1·47 per cent., against 1·64 per cent. last year. The rental of unmeasured trade supplies shows a small increase of ·27 per cent., against a slight reduction last year. That from measured supplies shows an increase of 7·37 per cent., against an increase of 4·15 per cent. a year ago, while there has been a considerable increase in revenue from the bulk supply to Coventry.

The Revenue Account shows a gross profit of £219,710, against £213,671 last year. The charges on account of Capital shown in the Profit and Loss Account amount to a net total of £292,808, including a provision of £25,771 for redemption of debt and extinction of annuities, being £3,457 more than last year owing to the growing requirements of the Sinking Fund.

The deficiency for the year is £73,098 5s. 11d., against a corresponding sum of £75,082 18s. 4d. a year ago, being a reduction of £1,984 12s. 5d. on the year. Your Committee propose to deal with the deficiency as under :—

	£	s.	d.
Contribution received from Borough			
Fund and Rate Account ...	65,000	0	0
Transfer from Capital Account (C)			
under Section 22 of the Birmingham Corporation Water Act, 1902	4,060	5	11
Balance to be carried forward ...	4,038	0	0
	<hr/>		
	£73,098	5	11
	<hr/>		

Your Committee have again limited the capitalisation, so that the total amount capitalised agrees with the amount provided in the forecast table prepared in connection with the 1907 Act, and in order to cover the balance they recommend that a supplementary contribution of £4,038 be transferred from the Borough Fund and Rate Account. This course follows the precedent of former years.

As regards the coming year, your Committee recommend that provision be made for a contribution of £65,000 from the same account.

WHITACRE WORKS.

The experience of last summer of the demands on the Department in times of pressure, which your Committee referred to in their Report presented on January 9th, was emphasised in connection with the severe frost of January and February. The consumption exceeded 30 million gallons on five successive days, and reached a maximum of 35·008 million gallons on February 10th. In view of the fact that the maximum capacity of the Welsh Aqueduct is limited to 25 million gallons in consequence of the provision of two mains only on the syphon sections, it follows that the maintenance of the supply under exceptional circumstances compels recourse to the stand-by sources, and on the occasion of the frost these were for several days used to their full capacity. The requirements of Coventry are naturally at a maximum at the same time as those of Birmingham, rendering it very necessary that the Whitacre Works shall be maintained at their fullest capacity. In view of this your Committee have undertaken the renovation of the two large filters, one of which, having a capacity of two million gallons a day, has not been used since the introduction of the Welsh supply. The estimated cost of the

whole renovation is £5,647 5s. The work has been put in hand, and your Committee propose to spread the charge over three years.

SUPPLY IN MIDDLE LEVEL DISTRICT.

In consequence of the growth of the demand many complaints of insufficient supply have been received from consumers in the upper parts of the Middle Level Zone. These are occasioned by the demand having overtaken the capacity of the mains between the Monument Road Reservoir and Five Ways. These mains were provided when the Middle Level supply was derived from Aston, the larger main capacity being then, as it should be, in the direction of the source. Since the introduction of the gravitation supply from Monument Road the conditions are reversed, giving the smaller main capacity nearest the source. To correct this your Committee have given instructions for the provision of a new 15in. main, connecting with the South Middle Level 43in. main at the crossing of Hagley Road, and continuing down Hagley Road to Five Ways. The estimate of the cost of this main is £1,695.

CONSUMPTION OF WATER.

The usual returns relative to the consumption of water during the year are submitted with this Report. The average daily distribution for the whole year within the area of supply has been 22·763 million gallons, against 20·507 million gallons in the previous year, being an increase of 11·00 per cent. The increase distributed over the several zones shows the following percentages :—

Low Level Zone ...	19·68 per cent.
Middle Level Zone...	6·93 per cent.
High Level Zone ...	9·24 per cent.

The measured supplies have increased 12·97 per cent., while the domestic and other unmeasured supplies show an increase of 10·38 per cent. The bulk supply to Coventry has increased by 27·10 per cent.

ELAN AQUEDUCT.

The strengthening work on the section of the Aqueduct in the neighbourhood of Button Oak, near Bewdley, referred to in the Committee's Report presented on January 9th, has been completed at a cost of £6,294, against the contract sum of £6,226. Similar work has now been undertaken on a length of the Aqueduct on the Downton Syphon in the neighbourhood of Knighton. The contract is for the sum of £1,599, with the contingency of a further expenditure of £1,178, should this be found necessary when the ground is opened out. The contract for this work has been let to Mr. George Law, of Kidderminster.

RAINFALL.

The rainfall at Witton, Whitacre, and in the Elan Valley during the past ten years has been as under:—

Year.	Witton.	Whitacre.	Average of Gauges in Elan Valley.
	Inches.	Inches.	Inches.
1902	24·58	25·78	50·94
1903	29·88	33·35	87·14
1904	20·09	23·58	51·80
1905	19·67	21·61	54·39
1906	24·54	25·35	67·59
1907	27·80	28·91	61·36
1908	28·27	25·37	59·32
1909	27·77	28·21	62·57
1910	30·10	30·67	77·67
1911	19·06	19·36	60·31
Average for the ten years	25·17	26·22	63·30

1	2	3	4
Description.	Total Amounts Borrowed and Liability on Annuities at 31st March, 1912.	Remaining to be Borrowed.	Total Amount Authorized.
	£ s. d.		
UNDER BIRMINGHAM (CORPORATION) WATER ACTS, 1875 AND 1879.			
Annuities			
(Capitalized at 25 years' purchase)			
Birmingham Corporation $3\frac{1}{2}\%$ Stock	1,189,436 2 11		
Ditto $3\frac{1}{2}\%$ Stock	417,601 1 8		
Ditto $3\frac{1}{2}\%$ Stock	204,349 7 2		
Ditto $2\frac{1}{2}\%$ Stock	24,833 14 9		
Total amount outstanding	£1,836,220 6 6		
Annuities redeemed, Stock cancelled or transferred, and Loans repaid from Sinking Fund	261,639 12 2		
	£2,097,859 18 8		£2,097,859 18 8
UNDER BIRMINGHAM (CORPORATION) WATER ACT, 1892.	£ s. d.		
Birmingham Corporation $3\frac{1}{2}\%$ Stock	63,443 3 10		
Ditto $3\frac{1}{2}\%$ Stock	1,331,550 9 2		
Ditto $2\frac{1}{2}\%$ Stock	1,242,136 4 11		
Loans	3,559,416 6 6		
Total amount outstanding	£6,196,546 4 5		
Stock cancelled or transferred, and Loans repaid from Sinking Fund	45,953 15 7		
	£6,242,500 0 0	£357,500 0 0	£6,600,000 0 0

Dr.

B.—CAPITAL ACCOUNT No. 1, UNDER BIRMINGHAM

FOR THE YEAR ENDED

	Expenditure to 31st March, 1911.	Expenditure during the Year.	Total to 31st March, 1912.
	£ s. d.	£ s. d.	£ s. d.
1 To Expenditure to 31st March, 1911	2,097,859 18 8		2,097,859 18 8
<i>Total carried to Balance Sheet</i>	...	...	£2,097,859 18 8

Dr.

C.—CAPITAL ACCOUNT No. 2, UNDER BIRMINGHAM

FOR THE YEAR ENDED

1 To Expenditure on Elan Supply to 31st March, 1911 ...	5,815,550 6 4		
2 „ Expenditure since that date		9,109 0 11	
<i>Total carried to Balance Sheet</i>			5,824,659 7 5
3 „ Amount transferred to Profit and Loss Account under Sec. 22 of the Birming- ham Corporation Water Act, 1902, to 31st March, 1911	186,645 15 8		
4 „ Ditto for the year ended 31st March, 1912, as per Account "E"		4,060 5 11	
<i>Total carried to Balance Sheet</i>			190,706 1
5 „ Expenditure on Local Works to 31st March, 1911	216,652 18 11		
„ Expenditure since that date :—			
6 Extension of Works ... 928 4 8			
7 New Mains 12,575 8 7			
8 New Meters 891 4 0			
		14,394 17 3	
<i>Less Depreciation as under :—</i>			
9 Of Plant of short duration 1,592 18 10			
10 Of Meters ... 647 10 5			
		2,240 9 3	
<i>Total carried to Balance Sheet</i>	...	12,154 8 0	228,807 6 1
		...	£6,244,172 15

CORPORATION) WATER ACTS, 1875 AND 1879.
1st MARCH, 1912.

Cr.

	Capital at 31st March, 1911.			Additions + or Reductions - during the Year.			Capital at 31st March, 1912.		
	£	s.	d.	£	s.	d.	£	s.	d.
1 By Annuities	1,210,237	5	10	- 20,801	2	11	1,189,436	2	11
2 „ Birmingham Corporation 3½ % Stock	419,385	4	8	- 1,734	3	0	417,601	1	8
3 „ Birmingham Corporation 3 % Stock	206,662	15	9	- 2,313	8	7	204,349	7	2
4 „ Birmingham Corporation 2½ % Stock	27,084	19	2	- 2,251	4	5	24,833	14	9
Total Amount Outstanding	...			...			1,836,220	6	6
5 „ Annuities redeemed and Stock cancelled from Sinking Fund ...)	234,489	13	3	+ 27,149	18	11	261,639	12	2
Total carried to Balance Sheet	...			...			£2,097,859	18	8

CORPORATION) WATER ACT, 1892.
1st MARCH, 1912.

Cr.

1 By Birmingham Corporation 3½ % Stock	64,033	13	5	- 590	9	7	63,443	3	10
2 „ Birmingham Corporation 3 % Stock	1,335,049	13	11	- 3,499	4	9	1,331,550	9	2
3 „ Birmingham Corporation 2½ % Stock	1,242,279	5	4	- 143	0	5	1,242,136	4	11
4 „ Mortgages and Loans ...	3,553,145	17	10	- 3,729 + 10,000	11 0	4 0	3,559,416	6	6
Total Amount Outstanding	...			...			6,196,546	4	5
5 „ Stock cancelled or trans- ferred from Sinking Fund	37,991	9	6	+ 7,962	6	1	45,953	15	7
Total carried to Balance Sheet							6,242,500	0	0
„ Balance of Capital Account	...			...			1,672	15	9
							£6,244,172	15	9

Dr.

D.—REVENUE

FOR THE YEAR ENDED

1911. £	MAINTENANCE OF WORKS, AND DISTRIBUTION OF WATER.				Year to 31st March, 1912.		
		£	s.	d.	£	s.	d.
	OLD SUPPLY.						
1,698	1 To Pumping, including Salaries, Wages, Coal, and Stores at Pumping Stations	2,988	14	0			
1,110	2 „ Filtration... ..	1,678	13	7			
2,489	3 „ Maintenance of Engines and Boilers	2,053	16	2			
1,806	4 „ Maintenance of Reservoirs, Pumping Stations, &c.	1,351	10	1			
7,103					8,072	13	10
	ELAN SUPPLY.						
2,596	5 „ Filtration and Hardening (Elan Valley)	2,922	1	1			
1,422	6 „ General Maintenance and Supervision of Elan Valley Works	1,470	8	4			
318	7 „ Administration of Elan Village	155	15	1			
5,359	8 „ Maintenance and Super- vision of Aqueduct ...	6,719	9	6			
3,703	9 „ Pumping at Frankley and Monument Road ...	3,827	9	3			
704	10 „ Maintenance of Engines and Boilers at Frankley and Monument Road ...	728	7	7			
1,066	11 „ Filtration (Frankley) ..	1,304	4	4			
46	12 „ Maintenance of Filters (Frankley)	17	16	10			
1,031	13 „ Maintenance of Works (Frankley)	731	13	2			
608	14 „ General Working Expenses and Wages (Frankley)	649	0	0			
16,853					18,526	5	2
£23,956	Carried forward ...	...			£26,598	19	0

ACCOUNT.

Cr.

31ST MARCH, 1912.

	Year to 31st March, 1912.			1911.
	£	s.	d.	£
1 By Water Rents and Charges 309,480 14 8	...			300,205
2 „ Ditto ditto ditto Supplies in bulk ... 6,809 13 6	...			5,348
	316,290	8	2	
3 „ Profit on Testing Water Fittings and Laying and Maintenance of Services...	1,191	0	3	1,452
4 „ Net Rents of Lands, &c. (Old Works and Elan Aqueduct)	1,596	13	7	1,356
5 „ Net Rents of Lands, &c. (Elan Watershed)	1,345	5	9	1,294
6 „ Net Receipts on Fishing	252	19	11	187
7 „ Transfer Fees	13	7	6	13
8 „ Superannuation Scheme, 1909:— Members' Contributions	657	5	5	644
Carried forward	£321,347	0	7	£310,499

Dr

D.—REVENUE

FOR THE YEAR ENDED

1911.	£		Year to 31st March, 1912.		
			£	s.	d.
23,956		Brought forward ...	...		26,598 19 0
		MAINTENANCE OF WORKS, AND DISTRIBUTION OF WATER— <i>continued.</i>			
		GENERAL.			
3,484		15 To Maintenance and Renewal of Mains and Meters ...	3,841	18	0
1,713		16 „ Salaries	1,737	10	0
1,473		17 „ Waste Inspection ...	1,424	7	6
25		18 „ Pensions prior to 1897 Scheme ... ..	...	
		Superannuation Scheme, 1909:—			
897		19 „ Superannuation Allowances ... 866 18 1			
415		20 „ Pensions to Offi- cers & Servants 378 16 0			
231		21 „ Optional Allow- ances 228 16 0			
			1,474	10	1
56		22 „ Workmen's Compensation	250	17	5
35,185		23 „ Rates and Taxes	36,347	9	0
170		24 „ Rents, Tithes, Easements, and Wayleaves	163	10	6
339		25 „ Chemical and Bacterio- logical Examination of Waters	342	18	8
4,093		26 „ General Wages	4,428	12	7
48,081					50,011 13 9
£72,037		Carried forward ...	...		£76,610 12 9

ACCOUNT—*continued*.

31st MARCH, 1912.

Cr.

	Year to 31st March, 1912.			1911.
	£	s.	d.	£
Brought forward	321,347	0	7	310,499
Carried forward	£321,347	0	7	£310,499

Dr.

D.—REVENUE

FOR THE YEAR ENDED

1911.				Year to 31st March, 1912.
£		£	s. d.	£ s. d.
72,037	Brought forward ...			76,610 12 '9
	MANAGEMENT.			
13,512	27 To Office Salaries	13,801	14 9	
597	28 „ Meter state-taking	688	12 2	
65	29 „ Pensions prior to 1897 Scheme	65	0 0	
	Superannuation Scheme, 1909 :—			
605	30 „ Superannuation Allowances... 581 1 2			
64	31 „ Contributions returned on retirement of Members	581	1 2	
	32 „ Office and Incidental Expenses	3,641	12 5	
3,287	33 „ Bank Commission and Share of Loans Fund Management Expenses...	3,079	7 5	
2,069	34 „ Abatements	1,871	11 9	
1,038	35 „ Bad Debts	201	6 8	
358	36 „ Law and Professional Charges	366	0 9	
24,692				24,296 7 1
99	37 „ Loss on Hydraulic Power Supplies ...			67 19 8
—	38 „ Revision of Water Rental			662 8 1
96,828				101,637 7 7
213,671	39 „ Balance carried to Profit and Loss Account (E)			219,709 13 0
£310,499				£321,347 0 7

Dr.

E.—PROFIT AND

FOR THE YEAR ENDED

1911. £			Year to 31st March, 1912		
			£	s.	d.
4,823	1	To Balance brought from last Account ...	2,952	0	0
48,486	2	„ Annuities	47,693	18	10
	3	„ INTEREST UNDER ACTS 1875 AND 1879.			
22,618		On Birmingham Corporation Stock (including share of costs of issue) ...	22,434	16	8
	4	„ INTEREST UNDER ACT 1892.			
115,916		On Mortgages and Loans	117,517	15	9
		On Birmingham Corporation Stock (including share of costs of issue)	77,364	4	3
77,482					
193,398			194,882	0	0
	5	„ REDEMPTION OF DEBT.			
11,715		Sinking Fund for Extinction of Annuities	12,03		
		Corporation Loans Fund for Redemption of Stock, viz. :—			
		3½% Stock	2,374	12	7
		3% Stock	5,812	13	4
		2½% Stock	2,394	4	10
			10,581	10	9
		Sinking Fund for Re- demption of Mortgages	3,729	11	4
11,158			14,311	2	1
2,439	6	„ Bank Interest	2,510	1	4
£294,637			£ 296,821	7	8

LOSS ACCOUNT.

£r.

31st MARCH, 1912.

			Year to 31st March, 1912.	1911. £
			£ s. d.	
1	By Supplementary Contribution from Borough Fund and Rate Account	... ..	2,952 0 0	4,823
2	„ Balance of Revenue Account (D)...	... ..	219,709 13 0	213,671
3	„ Hydraulic Power Account in respect of Capital Charges relative to the Hydraulic Installation, viz. :—			
	Interest under Acts 1875 and 1879	... .. 195 16 10		212
	Interest under Act 1892	... .. 288 9 2		288
	Sinking Fund under Acts 1875 and 1879	569 8 11		553
	Sinking Fund under Act 1892	... .. 7 13 10		7
			1,061 8 9	
4	„ Contribution from Borough Fund and Rate Account	... .. 65,000 0 0		65,000
5	„ Transfer from Capital Account “C” under Section 22 of the Birmingham Corporation Water Act, 1902	... .. 4,060 5 11		7,131
			69,060 5 11	
6	„ Balance to be carried to next Account	... ..	4,038 0 0	2,952
			£ 296,821 7 8	£294,637

Dr.

F.—HYDRAULIC POWER

FOR THE YEAR ENDED

1911.			Year to 31st March 1912.		
			£	s.	d.
£ 97	1	To Ground Rent	96	15	0
306	2	„ Poor and Improvement Rates on Buildings	318	15	0
387	3	„ Salaries and Wages at Station	406	19	4
185	4	„ Gas	187	8	9
83	5	„ Stores, &c.	79	17	4
253	6	„ Water (10,522,000 Gallons at 6d. per 1,000 Gallons)	263	1	0
1,311			1,352	16	5
961	7	„ Balance carried forward	993	9	1
2,272			£ 2,346	5	6
		8 To Charges on Capital Outlay, viz. :—			
		On Balance outstanding—			
212		Under Acts 1875 and 1879, £6,528 1s. 5d....	195	16	10
288		Under Act 1892, £9,624 19s. 8d.	288	9	2
553		Sinking Fund under Acts 1875 and 1879 ...	569	8	11
7		Sinking Fund under Act 1892	7	13	10
£1,060			£ 1,061	8	9

Dr.

G.—SINKING FUND FOR

FOR THE YEAR ENDED

		£	s.	d.
1 To Balance brought from last Account	...	2,339	19	8
2 „ Purchase of Annuities for Redemption (capitalized at 25 years' purchase) as per Capital Account B	... 20,801 2 11			
3 „ Premiums on Annuities redeemed	... 2,370 0 2			
		23,171	3	1
		£25,511	2	9

Dr.

H.—BALANCE SHEET

	£	s.	d.	£	s.	d.
1 To Capital Account No. 1, as per Account B	...			2,097,859	18	8
2 „ Capital Account No. 2, as per Account C	..			6,242,500	0	0
3 „ Reserve in respect of Forged Transfers Act, 1891	... ..			1,500	0	0
4 „ Annuities accrued to date	... ..	11,894	7 2			
5 „ Interest accrued to date	... ..	53,417	8 0			
6 „ Trade Creditors :—						
On Capital Account	... ..	387	0 9			
On Revenue Account	... ..	18,114	7 3			
		18,501	8 0	83,813	3	2
7 „ Treasurer of the City :—						
On Revenue Account	... ..	69,460	18 5			
On Sinking Fund Account	... ..	9,873	14 0			
On Capital Account No. 2	... ..	1,285	15 0			
				80,620	7	5
				£8,506,293	9	3

E. ANTONY LEES,

Secretary.

2nd May, 1912.

ANNUITIES ACCOUNT.

Cr.

31ST MARCH, 1912.

	£	s.	d.
1 By Amount brought from Profit and Loss Account (E) ..	12,037	8	9
2 „ Sale of Land and Works (Old Supply)	3,600	0	0
3 „ Balance to be carried to next Account	9,873	14	0
	<u>£25,511</u>	<u>2</u>	<u>9</u>

31ST MARCH, 1912.

Cr.

	£	s.	d.
1 By Capital Account No. 1, as per Account B	2,097,859	18	8
Capital Account No. 2, as per Account C—			
2 „ On Elan Supply	5,824,659	7	3
3 „ Capitalisation under Section 22, Act 1902	190,706	1	7
4 „ On Local Works	228,807	6	11
5 „ Profit and Loss Account, as per Account E—			
Balance at Debit thereof	4,038	0	0
6 „ Sinking Fund Account, as per Account G—			
Balance at Debit thereof	9,873	14	0
7 „ Debtors for Water Rents, Services, &c.	127,141	6	11
8 „ Stock of Iron Pipes, Coal, and General Stores ...	22,705	15	8
9 „ Cash in hands of Secretary	501	18	3
	<u>£8,506,293</u>	<u>9</u>	<u>3</u>

Examined and found correct,

HOWARD SMITH, SLOCOMBE, & Co.,

2nd May, 1912.

Auditors.

S TO 31st MARCH, 1911 AND 1912.

	2.	Totals for 1912.			Increase.			Decrease.			Percentage.
											Increase + Decrease -
DOMEST	s. d.	£	s.	d.	£	s.	d.	£	s.	d.	
Dom	2 0				2,016	12	0				1·26 +
Dom	6 0							192	17	0	1·36 --
Bath	7 0				545	9	0				5·38 +
Gard	5 0				363	13	0				26·15 +
		188,050	0	0	2,732	17	0				1·47 +
UNMEAS											
Trad	9 10				225	0	7				1·56 +
Lock	0 0				191	14	0				3·55 +
Chur	4 0				1	7	3				·18 +
*Publ	14 6							192	5	6	3·34 -
Unm	15 6							151	6	0	20·89 -
TOTAL		27,137	13	10	74	10	4				·27 +
MEASURE											
Trad	2 5				5,163	5	5				6·58 +
Railw	18 5				1,305	9	4				13·89 +
		94,293	0	10	6,468	14	9				7·37 +
		309,480	14	8	9,276	2	1				3·09 +
SUPPLIE		6,809	13	6	1,461	3	2				27·32 +
		316,290	8	2	10,737	5	3				3·51 +

are supplied by Meter.

I.—COMPARATIVE ANALYSIS OF THE RENTALS FOR THE YEARS TO 31st MARCH, 1911 AND 1912.

	1910.	1911.	Totals for 1911.	1912.	Totals for 1912.	Increase.	Decrease.	Percentage. Increase + Decrease -
	£	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	
DOMESTIC SUPPLIES.								
Domestic—not exceeding £50 net annual value	157,075	159,576 10 0		161,593 2 0		2,016 12 0		1·26 +
Domestic—exceeding £50 net annual value	14,372	14,227 3 0		14,034 6 0			192 17 0	1·36 -
Baths	9,489	10,121 18 0		10,667 7 0		545 9 0		5·38 +
Garden and Hose Pipe Watering	1,399	1,391 12 0		1,755 5 0		363 13 0		26·15 +
TOTALS FROM DOMESTIC SUPPLIES	182,335		185,317 3 0		188,050 0 0	2,732 17 0		1·47 +
UNMEASURED TRADE AND MISCELLANEOUS SUPPLIES								
Trade Supplies	14,325	14,447 9 3		14,672 9 10		225 0 7		1·56 +
Lock-up Shops, Offices, and Warehouses	5,287	5,410 6 0		5,602 0 0		191 14 0		3·55 +
Churches, Chapels, and Schools	747	741 6 9		742 14 0		1 7 3		·18 +
*Public-houses	5,904	5,741 0 0		5,548 14 6			192 5 6	3·34 -
Unmeasured Supplies for Building Purposes	826	723 1 6		571 15 6			151 6 0	20·89 -
TOTALS FROM UNMEASURED TRADE AND MISCELLANEOUS SUPPLIES	27,089		27,063 3 6		27,137 13 10	74 10 4		·27 +
MEASURED SUPPLIES.								
Trade Supplies	75,123	78,431 17 0		83,595 2 5		5,163 5 5		6·58 +
Railways, Street and Road Watering, Markets, etc....	9,201	9,392 9 1		10,697 18 5		1,305 9 4		13·89 +
TOTALS FROM MEASURED SUPPLIES	84,324		87,824 6 1		94,293 0 10	6,468 14 9		7·37 +
	293,748		300,204 12 7		309,480 14 8	9,276 2 1		3·09 +
SUPPLIES IN BULK	5,067		5,348 10 4		6,809 13 6	1,461 3 2		27·32 +
TOTAL RENTAL	298,815		305,553 2 11		316,290 8 2	10,737 5 3		3·51 +

* The figures in this line refer to the unmeasured supplies only. Many Public-houses are supplied by Meter.

SUPPLIES.

Rents.	N	Water Rents.	Number of Houses, 31st March, 1911.	Number of Houses, 31st March, 1912.
--------	---	--------------	--	--

PIERS—continued.

WEEKLY RENTS.		d	184,691	186,681
Exceeding	Not Exceeding			
	2/9	rt for domestic annual value—		
2/9	4/3	.. ... ..	373	377
4/3	5/9	.. ... ..	54	54
5/9	6/6	.. ... ..	186	171
6/6	8/-	.. ... ..	2,056	2,016
8/-	9/6			
9/6	10/-	S IN SUPPLY ...	187,360	189,299

BATHS.

ANNUAL RENTS.		Annual Charge.		
£				
25				
30		4/-	24	25
35		6/-	20,431	21,999
40		8/-	7,587	7,725
50		10/-	2,413	2,388
60				
		... ..	30,455	32,137

HOSE PIPE WATERING

60	Day Schools	350	348
	... ..	1,817	1,834
	Carried	17,253	17,376

K.—SCHEDULE OF UNMEASURED SUPPLIES.

Rents.	Net Annual Value not exceeding	Water Rents.	Number of Houses, 31st March, 1911.	Number of Houses, 31st March, 1912.	Rents.	Net Annual Value.	Water Rents.	Number of Houses, 31st March, 1911.	Number of Houses, 31st March, 1912.																																																																																
LANDLORDS.					OCCUPIERS—continued.																																																																																				
<table><tr><td>WEEKLY RENTS.</td><td></td><td></td><td></td><td></td></tr><tr><td>Exceeding</td><td>Not Exceeding</td><td>£ s. d.</td><td></td><td></td></tr><tr><td>2/9</td><td></td><td>5 0 0</td><td>6/-</td><td>746</td></tr><tr><td>2/9</td><td>4/3</td><td>7 10 0</td><td>8/-</td><td>23,658</td></tr><tr><td>4/3</td><td>5/9</td><td>10 0 0</td><td>10/-</td><td>50,169</td></tr><tr><td>5/9</td><td>6/6</td><td>12 10 0</td><td>15/-</td><td>35,984</td></tr><tr><td>6/6</td><td>8/-</td><td>12 10 0</td><td>16/6</td><td>22,645</td></tr><tr><td>8/-</td><td>9/6</td><td>15 0 0</td><td>20/-</td><td>11,815</td></tr><tr><td>9/6</td><td>10/-</td><td>17 10 0</td><td>22/-</td><td>6,512</td></tr></table>					WEEKLY RENTS.					Exceeding	Not Exceeding	£ s. d.			2/9		5 0 0	6/-	746	2/9	4/3	7 10 0	8/-	23,658	4/3	5/9	10 0 0	10/-	50,169	5/9	6/6	12 10 0	15/-	35,984	6/6	8/-	12 10 0	16/6	22,645	8/-	9/6	15 0 0	20/-	11,815	9/6	10/-	17 10 0	22/-	6,512	<table><tr><td>Brought forward</td><td>...</td><td>...</td><td>184,691</td><td>186,681</td></tr><tr><td colspan="5">Supplies used wholly or in part for domestic purposes. Percentage on net annual value—</td></tr><tr><td>3 per cent.</td><td>...</td><td>...</td><td>373</td><td>377</td></tr><tr><td>4 per cent.</td><td>...</td><td>...</td><td>54</td><td>54</td></tr><tr><td>5 per cent.</td><td>...</td><td>...</td><td>186</td><td>171</td></tr><tr><td>6 per cent.</td><td>...</td><td>...</td><td>2,056</td><td>2,016</td></tr><tr><td colspan="3">TOTAL NUMBER OF HOUSES IN SUPPLY</td><td>187,360</td><td>189,299</td></tr></table>					Brought forward	184,691	186,681	Supplies used wholly or in part for domestic purposes. Percentage on net annual value—					3 per cent.	373	377	4 per cent.	54	54	5 per cent.	186	171	6 per cent.	2,056	2,016	TOTAL NUMBER OF HOUSES IN SUPPLY			187,360	189,299
WEEKLY RENTS.																																																																																									
Exceeding	Not Exceeding	£ s. d.																																																																																							
2/9		5 0 0	6/-	746																																																																																					
2/9	4/3	7 10 0	8/-	23,658																																																																																					
4/3	5/9	10 0 0	10/-	50,169																																																																																					
5/9	6/6	12 10 0	15/-	35,984																																																																																					
6/6	8/-	12 10 0	16/6	22,645																																																																																					
8/-	9/6	15 0 0	20/-	11,815																																																																																					
9/6	10/-	17 10 0	22/-	6,512																																																																																					
Brought forward	184,691	186,681																																																																																					
Supplies used wholly or in part for domestic purposes. Percentage on net annual value—																																																																																									
3 per cent.	373	377																																																																																					
4 per cent.	54	54																																																																																					
5 per cent.	186	171																																																																																					
6 per cent.	2,056	2,016																																																																																					
TOTAL NUMBER OF HOUSES IN SUPPLY			187,360	189,299																																																																																					
ANNUAL RENTS.					BATHS.																																																																																				
<table><tr><td>£</td><td></td><td></td><td></td><td></td></tr><tr><td>25</td><td>20 0 0</td><td>24/-</td><td>4,234</td><td>4,186</td></tr><tr><td>30</td><td>25 0 0</td><td>29/6</td><td>2,396</td><td>2,327</td></tr><tr><td>35</td><td>30 0 0</td><td>35/6</td><td>896</td><td>871</td></tr><tr><td>40</td><td>35 0 0</td><td>41/6</td><td>409</td><td>406</td></tr><tr><td>50</td><td>40 0 0</td><td>47/6</td><td>247</td><td>230</td></tr><tr><td>60</td><td>50 0 0</td><td>57/-</td><td>159</td><td>155</td></tr></table>					£					25	20 0 0	24/-	4,234	4,186	30	25 0 0	29/6	2,396	2,327	35	30 0 0	35/6	896	871	40	35 0 0	41/6	409	406	50	40 0 0	47/6	247	230	60	50 0 0	57/-	159	155	<table><tr><td>ANNUAL RENT OF HOUSES.</td><td>Net Annual Value.</td><td>Annual Charge.</td><td></td><td></td></tr><tr><td>£</td><td>£ s. d.</td><td></td><td></td><td></td></tr><tr><td>...</td><td>10 0 0</td><td>4/-</td><td>24</td><td>25</td></tr><tr><td>30</td><td>25 0 0</td><td>6/-</td><td>20,431</td><td>21,999</td></tr><tr><td>60</td><td>50 0 0</td><td>8/-</td><td>7,587</td><td>7,725</td></tr><tr><td>Exceeding 60</td><td>Exceeding 50 0 0</td><td>10/-</td><td>2,413</td><td>2,388</td></tr><tr><td colspan="3">TOTAL NUMBER OF BATHS</td><td>30,455</td><td>32,137</td></tr></table>					ANNUAL RENT OF HOUSES.	Net Annual Value.	Annual Charge.			£	£ s. d.				...	10 0 0	4/-	24	25	30	25 0 0	6/-	20,431	21,999	60	50 0 0	8/-	7,587	7,725	Exceeding 60	Exceeding 50 0 0	10/-	2,413	2,388	TOTAL NUMBER OF BATHS			30,455	32,137										
£																																																																																									
25	20 0 0	24/-	4,234	4,186																																																																																					
30	25 0 0	29/6	2,396	2,327																																																																																					
35	30 0 0	35/6	896	871																																																																																					
40	35 0 0	41/6	409	406																																																																																					
50	40 0 0	47/6	247	230																																																																																					
60	50 0 0	57/-	159	155																																																																																					
ANNUAL RENT OF HOUSES.	Net Annual Value.	Annual Charge.																																																																																							
£	£ s. d.																																																																																								
...	10 0 0	4/-	24	25																																																																																					
30	25 0 0	6/-	20,431	21,999																																																																																					
60	50 0 0	8/-	7,587	7,725																																																																																					
Exceeding 60	Exceeding 50 0 0	10/-	2,413	2,388																																																																																					
TOTAL NUMBER OF BATHS			30,455	32,137																																																																																					
OCCUPIERS.					GARDEN AND HOSE PIPE WATERING.																																																																																				
<table><tr><td>WEEKLY RENTS.</td><td>£ s. d.</td><td></td><td></td><td></td></tr><tr><td>5/6</td><td>12 10 0</td><td>16/-</td><td>496</td><td>526</td></tr><tr><td>6/9</td><td>15 0 0</td><td>24/-</td><td>840</td><td>888</td></tr><tr><td>7/9</td><td>17 10 0</td><td>27/-</td><td>2,058</td><td>2,197</td></tr><tr><td>9/-</td><td>20 0 0</td><td>30/-</td><td>3,961</td><td>4,145</td></tr><tr><td>10/-</td><td>25 0 0</td><td>38/-</td><td>2,447</td><td>2,441</td></tr></table>					WEEKLY RENTS.	£ s. d.				5/6	12 10 0	16/-	496	526	6/9	15 0 0	24/-	840	888	7/9	17 10 0	27/-	2,058	2,197	9/-	20 0 0	30/-	3,961	4,145	10/-	25 0 0	38/-	2,447	2,441	<table><tr><td></td><td>Annual Charge.</td><td></td><td></td></tr><tr><td>Hose Pipes</td><td>10/-</td><td>2,058</td><td>2,783</td></tr><tr><td>Garden Taps</td><td>5/-</td><td>1,385</td><td>1,428</td></tr><tr><td></td><td></td><td>3,443</td><td>4,211</td></tr></table>						Annual Charge.			Hose Pipes	10/-	2,058	2,783	Garden Taps	5/-	1,385	1,428			3,443	4,211																																		
WEEKLY RENTS.	£ s. d.																																																																																								
5/6	12 10 0	16/-	496	526																																																																																					
6/9	15 0 0	24/-	840	888																																																																																					
7/9	17 10 0	27/-	2,058	2,197																																																																																					
9/-	20 0 0	30/-	3,961	4,145																																																																																					
10/-	25 0 0	38/-	2,447	2,441																																																																																					
	Annual Charge.																																																																																								
Hose Pipes	10/-	2,058	2,783																																																																																						
Garden Taps	5/-	1,385	1,428																																																																																						
		3,443	4,211																																																																																						
ANNUAL RENTS.					MISCELLANEOUS UNMEASURED SUPPLIES.																																																																																				
<table><tr><td>£</td><td></td><td></td><td></td><td></td></tr><tr><td>30</td><td>25 0 0</td><td>38/-</td><td>5,637</td><td>5,871</td></tr><tr><td>35</td><td>30 0 0</td><td>45/-</td><td>2,884</td><td>2,939</td></tr><tr><td>40</td><td>35 0 0</td><td>52/-</td><td>2,404</td><td>2,405</td></tr><tr><td>50</td><td>40 0 0</td><td>57/-</td><td>2,594</td><td>2,582</td></tr><tr><td>60</td><td>50 0 0</td><td>60/-</td><td>1,500</td><td>1,497</td></tr><tr><td colspan="3">Carried forward</td><td>184,691</td><td>186,681</td></tr></table>					£					30	25 0 0	38/-	5,637	5,871	35	30 0 0	45/-	2,884	2,939	40	35 0 0	52/-	2,404	2,405	50	40 0 0	57/-	2,594	2,582	60	50 0 0	60/-	1,500	1,497	Carried forward			184,691	186,681	<table><tr><td>Lock-up Shops, Offices, and Warehouses</td><td>...</td><td>2,996</td><td>3,068</td></tr><tr><td>Trade and Sundry Charges other than Domestic</td><td>...</td><td>10,792</td><td>10,862</td></tr><tr><td>*Full Licensed and Beer Houses</td><td>...</td><td>1,298</td><td>1,264</td></tr><tr><td>Churches, Chapels, Sunday and Day Schools</td><td>...</td><td>350</td><td>348</td></tr><tr><td>Fire Hydrants and Fire Cocks</td><td>...</td><td>1,817</td><td>1,834</td></tr><tr><td></td><td>...</td><td>17,253</td><td>17,376</td></tr></table>					Lock-up Shops, Offices, and Warehouses	...	2,996	3,068	Trade and Sundry Charges other than Domestic	...	10,792	10,862	*Full Licensed and Beer Houses	...	1,298	1,264	Churches, Chapels, Sunday and Day Schools	...	350	348	Fire Hydrants and Fire Cocks	...	1,817	1,834		...	17,253	17,376																					
£																																																																																									
30	25 0 0	38/-	5,637	5,871																																																																																					
35	30 0 0	45/-	2,884	2,939																																																																																					
40	35 0 0	52/-	2,404	2,405																																																																																					
50	40 0 0	57/-	2,594	2,582																																																																																					
60	50 0 0	60/-	1,500	1,497																																																																																					
Carried forward			184,691	186,681																																																																																					
Lock-up Shops, Offices, and Warehouses	...	2,996	3,068																																																																																						
Trade and Sundry Charges other than Domestic	...	10,792	10,862																																																																																						
*Full Licensed and Beer Houses	...	1,298	1,264																																																																																						
Churches, Chapels, Sunday and Day Schools	...	350	348																																																																																						
Fire Hydrants and Fire Cocks	...	1,817	1,834																																																																																						
	...	17,253	17,376																																																																																						

* Unmeasured Supplies only.

L.—STATEMENT OF DISTRIBUTION OF WATER.

QUANTITY STATED IN MILLIONS OF GALLONS.

YEAR.	1 Quantity distributed by Gravitation— all in area of supply.	2 Quantity distributed by Pumping— in area of supply.	3 Quantity supplied in bulk—all by pumping.	4 Total Quantity Distributed Columns 1, 2 and 3	5 Daily Average Distribution in area of supply— average of Columns 1 and 2	TOTAL DISTRIBUTION IN DISTRICTS IN AREA OF SUPPLY.			NATURE OF TOTAL DISTRIBUTION IN AREA OF SUPPLY.	
						6 Low Level.	7 Middle Level.	8 High Level.	9 Measured.	10 Domestic, Unmeasured Trade Supplies, and Waste.
To MAR. 31										
1899	...	6,265		6,265	17-212	1,992	3,075	1,198	1,386	4,879
1900	...	6,639		6,639	18-239	2,032	3,367	1,240	1,498	5,141
1901	..	6,516		6,516	17-901	1,886	3,358	1,272	1,596	4,920
1902	...	6,785		6,785	18-640	2,071	3,421	1,293	1,632	5,158
1903	..	6,672		6,672	18-332	2,074	3,302	1,296	1,578	5,094
1904*	.	6,683		6,683	18-013	1,989	3,326	1,368	1,590	5,093
1905	1,198	5,438		6,636	18-230	1,808	3,359	1,469	1,631	5,005
1906	3,739	2,743		6,482	17-807	1,881	3,018	1,588	1,773	4,709
1907	4,978	1,832		6,810	18-708	1,950	3,123	1,737	1,813	4,997
1908	4,977	1,775		6,752	18-549	1,932	3,069	1,751	1,744	5,008
1909	5,219	1,840	145	7,204	19-393	1,927	3,293	1,839	1,708	5,351
1910*	5,213	2,138	304	7,655	19-814	2,017	3,523	1,811	1,676	5,675
1911	5,604	1,860	321	7,785	20-507	2,053	3,551	1,860	1,819	5,645
1912	5,957	2,329	408	8,694	22-763	2,457	3,797	2,032	2,055	6,231

* 53 weeks.

M.—ESTIMATED AVERAGE CONSUMPTION PER HEAD PER DAY.
YEAR ENDED MARCH 31st.

	1907.	1908.	1909.	1910.	1911.	1912.
Total average consumption per day ...	18·708 m. g.	18·549 m. g.	19·393 m. g.	19·814 m. g.	20·507 m. g.	22·763 m. g.
Maximum Day :—						
Date ...	...28th Jan., 1907.	8th Jan., 1908.	2nd Jan. 1909.	22nd May, 1909	21st June, 1910	10th Feb., 1912
Quantity ..	25·471 m. g.	26·172 m. g.	30·634 m. g.	25·370 m. g.	25·822 m. g.	35·008 m. g.
Estimated average population in supply for the year, based on 4·5 persons per house on the average number of houses in supply ...	786,838	799,992	813,337	826,382	837,776	847,483
Average gross consumption per head per day ...	23·78 galls.	23·19 galls.	23·84 galls.	23·98 galls.	24·48 galls.	26·86 galls.
Average consumption per head per day for Measured Trade Supplies, and for Railways, Street and Road Watering, Markets, &c. ...	6·33 galls.	5·99 galls.	5·77 galls.	5·47 galls.	5·97 galls.	6·66 galls.
Estimated average consumption per head per day for Unmeasured Trade Supplies, calculated on the basis of the rental, reckoning 6d. (the minimum meter rate) to represent 1,000 gallons	3·75 galls.	3·66 galls.	3·62 galls.	3·53 galls.	3·55 galls.	3·52 galls.
Net estimated consumption per head per day for Domestic, Fire, and Waste ...	13·70 galls.	13·54 galls.	14·45 galls.	14·98 galls.	14·96 galls.	16·68 galls.

Year	MAINS.		Works and Buildings, less Depreciation.	Meters, less Depreciation.	Elan Supply.	Capitalization under Section 22, Act 1902.	Totals for Year.	Total to Date.
	Length in Miles.	Cost.						
At Dec. 31, 1875	252.448	—	£ —	£ —	£ —	£ —	£ —	£ 1,523,123
Jan. 1, 1876, to 31 Mar., 1898	330.619	272,913	346,399	5,849	1,309,049	—	1,934,210	3,457,333
1899	17.125	14,169	6,295	391	515,699	—	533,279	3,990,612
1900	17.910	-1,000* 7,571	-2,275* 3,271	220	707,493	—	714,155	4,704,767
1901	10.995	-1,150* 6,427	-3,250* 2,853	329	924,680	—	930,439	5,635,206
1902	14.076	-540* 9,744	-3,310* 1,415	-257† -257†	987,874	—	995,082	6,630,288
1903	16.906	-110* 12,673	-3,584* 1,066	-209† -209†	458,301	—	469,208	7,099,496
1904	18.740	19,526	-2,623* 1,363	467	352,896	33,818	406,247	7,505,743
1905	21.970	15,779	-1,823* 5,845	47	283,514	46,826	350,784	7,856,527
1906	19.430	-200* 11,861	-1,027* 4,893	439	126,389	35,420	177,210	8,033,737
1907	17.950	13,475	-1,792* 4,910	249	60,815	19,616	97,450	8,131,187
1908	18.600	13,358	-1,615* 3,494	266	36,143	16,941	68,289	8,199,476
1909	13.030	8,188	-1,913* 951	-58† -58†	28,745	15,658	51,446	8,250,922
1910	16.250	20,928	-2,038* 1,636	-340† -340†	20,976	11,236	52,507	8,303,429
1911	11.570	7,305	-1,929* 1,043	29	2,976	7,131	16,880	8,320,309
1912	10.870	8,975	-1,604* 928	244	9,109	4,060	21,724	8,342,033
		439,892	-1,592* 355,987	7,666	5,824,659	190,706	6,818,910	

* Depreciation of Temporary Mains and Works.

† Depreciation exceeds purchases.

NET RESULTS.

LOSS.

Working B

HOW COVERED.

From Reserves.

By Contribution
from Rates.

By Capitalization.

10

17

18

19

£

£

£

£

622,4

28,242

...

...

53,6

...

...

...

53,4

...

...

...

58,8

...

...

...

70,3

...

...

...

69,7

...

...

...

69,3

...

...

...

69,9

...

...

...

79,4

...

...

...

87,6

6,479

...

...

97,1

32,737

...

...

110,7

65,119

...

...

108,4

80,039

...

...

106,7

6,239

45,000

33,818

105,6

...

45,000

46,826

91,6

...

45,000

35,420

97,6

...

65,000

19,616

92,7

...

65,000

16,941

96,1

...

65,000

15,658

98,5

...

65,000

11,236

96,8

...

4,823*

65,000

7,131

101,6

...

2,952*

65,000

4,060

4,038*

2,438,81

218,855

536,813

190,706

*Supplemental.

O.—SUMMARY OF THE ACCOUNTS OF THE DEPARTMENT FROM 1876.

YEAR.	WATER RENTS.	REVENUE FROM VARIOUS MINOR SOURCES.							Total Revenue.	Working Expenses.	Gross Profit.	CAPITAL CHARGES.		Reserve under Forged Transfers Act, 1891.	NET RESULTS.				
		Testing Fittings and Laying and Maintenance of Services.	Net Rents of Lands, etc.	Net Rents of (Elan Estate.)	Profit on Hydraulic Power Supplies.	Fishing Subscriptions and Tickets.	Transfer Fees.	Contributions for Superannuation 1909 Scheme.				Under Acts 1875 and 1879.	Under Act 1892.		Profit.	Amount.	Loss.		
																	How COVERED.		
																	From Reserves.	By Contribution from Rates.	By Capitalization.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
£	£	£	£	£	£	£	£	£	£	£	£	£	£	£	£	£	£	£	
Totals, 1st Jan., 1876, to 31st Mar., 1891 ... }	1,771,134	22,354	7,347	...	...	1,441	220	...	1,802,496	622,423	1,180,073	1,145,453	...	...	62,862	28,242	28,242	...	...
1891-92 ...	140,247	781	313	...	...	296	19	...	141,656	53,677	87,979	84,367	...	...	3,612	...	...	...	...
1892-93 ...	143,183	544	510	...	...	282	22	...	144,541	53,470	91,071	85,304	1,676	...	4,091	...	...	...	...
1893-94 ...	175,917	1,438	454	...	..	289	18	...	178,116	58,804	119,312	85,294	7,095	...	26,923	...	...	...	...
1894-95 ...	179,371	427	1,149	...	...	253	20	...	181,220	70,374	110,846	85,648	12,971	...	12,227	...	...	...	...
1895-96 ...	187,558	1,007	1,081	...	...	205	19	...	189,870	69,779	120,091	85,056	17,317	...	17,718	...	...	...	...
1896-97 ...	199,905	851	1,017	...	...	270	16	...	202,059	69,311	132,748	85,083	21,853	...	25,812	...	...	...	...
1897-98 ...	211,921	1,225	428	...	...	188	17	...	213,779	69,903	143,871	85,152	30,065	...	28,654	...	...	...	...
1898-99 ...	221,587	1,760	784	...	...	195	19	577	224,922	79,488	145,434	86,930	43,095	...	15,409	...	...	...	...
1899-1900 ...	230,987	1,482	572	...	20	172	21	589	233,843	87,611	146,232	89,137	63,574	...	...	6,479	6,479	...	...
1900-01 ...	240,966	650	688	...	(— 32)	102	20	594	243,020	97,184	145,836	88,548	90,025	...	...	32,737	32,737	...	...
1901-02 ...	251,482	783	621	...	102	126	17	612	253,743	110,785	142,958	89,006	119,071	...	...	65,119	65,119	...	...
1902-03 ...	255,997	714	837	...	104	63	19	574	258,308	108,418	149,890	88,815	141,114	...	...	80,039	80,039	...	...
1903-04 ...	261,812	934	635	...	138	115	26	583	264,243	106,718	157,525	88,660	153,922	...	...	85,057	6,239	45,000	33,818
1904-05 ...	268,545	561	473	...	155	246	21	576	270,577	105,668	164,909	88,715	167,770	250	...	91,826	...	45,000	46,826
1905-06 ...	278,043	(— 199)	1,005	...	135	177	22	572	279,954	91,681	188,273	88,538	179,905	250	...	80,420	...	45,000	35,420
1906-07 ...	285,127	871	1,122	1,733	(— 17)	209	15	580	289,657	97,639	192,018	88,475	187,909	250	...	84,616	...	65,000	19,616
1907-08 ...	287,675	(— 66)	1,018	1,747	(— 11)	222	18	588	291,268	92,716	198,552	88,317	191,926	250	...	81,941	...	65,000	16,941
1908-09 ...	293,578	846	1,005	1,221	22	187	17	590	297,466	96,162	201,304	88,466	193,246	250	...	80,658	...	65,000	15,658
1909-10 ...	298,815	1,264	1,291	1,345	12	198	10	618	303,553	98,532	205,021	88,429	197,401	250	...	81,059	...	65,000	11,236
1910-11 ...	305,553	1,452	1,356	1,294	(— 98)	187	13	644	310,499	96,828	213,671	88,184	200,570	...	...	75,083	...	65,000 4,823*	7,131
1911-12 ...	316,290	1,191	1,597	1,345	(— 68)	253	14	657	321,347	101,637	219,710	87,750	205,058	...	...	73,098	...	65,000 2,952* 4,038*	4,060
	6,805,693	41,135	25,303	8,685	688	5,676	603	8,354	6,896,137	2,438,813	4,457,324	2,979,327	2,225,563	1,500	197,308	946,374	218,855	536,813	190,706

*Supplemental.

28.1
353
912/13

LIBRARY
OF THE
UNIVERSITY OF ILLINOIS
23 MAY 1913

R 67. 20/5/13.

City of Birmingham.

REPORT

OF THE

WATER COMMITTEE

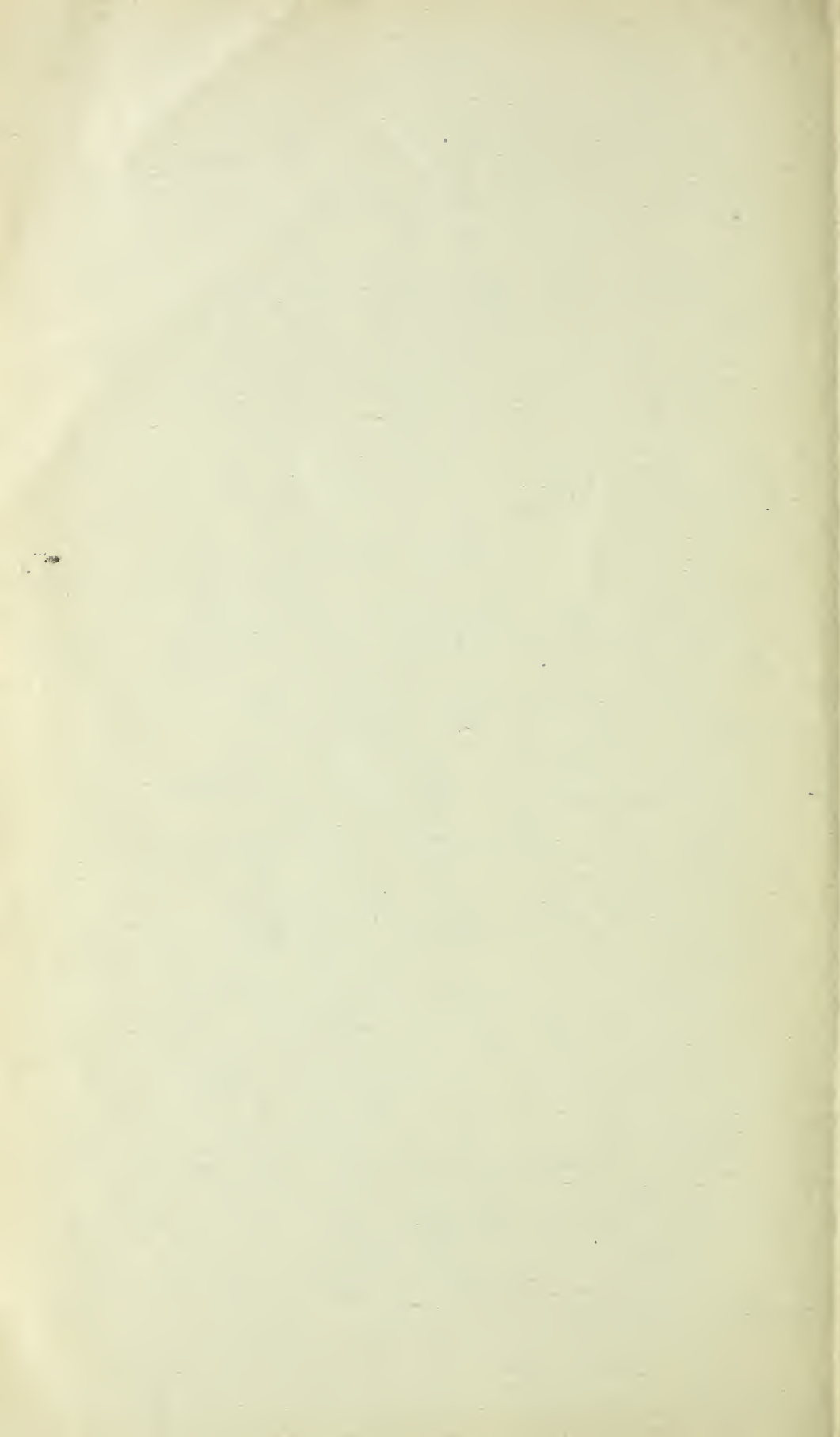
FOR PRESENTATION AT THE

SPECIAL MEETING OF THE COUNCIL,

TO BE HELD ON

TUESDAY, MAY 20th, 1913.

BIRMINGHAM:
PERCIVAL JONES LIMITED, PRINTERS, 148-9, GREAT CHARLES STREET,
1913.



CITY OF BIRMINGHAM.

Report
OF THE
WATER COMMITTEE,

FOR PRESENTATION AT THE

SPECIAL MEETING OF THE COUNCIL, TO BE
HELD ON TUESDAY, MAY 20TH, 1913.

MEETINGS.

The Committee have, since their last Report, held three Meetings.

The Lord Mayor attended all of such Meetings.

					Attended.	Absent.
Mr. Alderman Barber	...	...	...	...	3	0
"	"	Bewlay	...	...	3	0
"	"	Clayton	...	...	3	0
"	"	Lloyd	...	...	3	0
"	"	Welch	...	...	3	0
Mr. Councillor Appleby	...	...	...	...	3	0
"	"	Bayliss	...	...	1	2
"	"	Charles	...	...	3	0
"	"	Coley	...	...	3	0
"	"	Siward James	...	...	3	0

ACCOUNTS.

Your Committee submit herewith the Accounts and Balance Sheet for the year ended March 31st, 1913.

The Water Rents show a total increase of £6,406, that is 2·03 per cent., against an increase of 3·51 per cent. last year.

The analysis of the rental given in Table "I." shows that the domestic rental has increased to the extent of 3·13 per cent., against 1·47 per cent. last year. This, however, to some extent is due to the operation of the revised scale of charges. The rental of unmeasured trade supplies shows a decrease of 2·97 per cent., against an increase of ·27 per cent. last year. That from measured supplies shows an increase of 1·16 per cent., against an increase of 7·37 per cent. a year ago, while there has been some increase in the revenue from the bulk supply to Coventry, due to the operation of the increased minimum.

The Revenue Account shows a gross profit of £217,866, against £219,710 last year. The charges on account of Capital shown in the Profit and Loss Account amount to a net total of £294,854, including a provision of £28,028 for redemption of debt and extinction of annuities, being £1,680 more than last year; £110,000 loans having come into charge for redemption for the first time. The deficiency for the year is £75,908 15s. 11d., against a corresponding sum of £73,098 5s. 11d. a year ago, being an increase of £2,810 10s. on the year.

Your Committee propose to deal with the deficiency as under :—

	£	s.	d.
Contribution received from Borough			
Fund and Rate Account ...	65,000	0	0
Transfer from Capital Account (c)			
under Section 22 of the Birmingham Corporation Water Act, 1902	942	15	11
Balance to be carried forward ...	9,966	0	0
	<hr/>		
	£75,908 15 11		
	<hr/>		

Your Committee have again limited the capitalisation, so that the total amount capitalised agrees with the amount provided in the forecast table prepared in connection with the 1907 Act, and in order to cover the balance they recommend that a supplementary contribution of £9,966 be transferred from the Borough Fund and Rate Account. This course follows the precedent of former years.

As regards the coming year, your Committee recommend that provision be made for a contribution of £65,000 from the same account.

CONSUMPTION OF WATER.

The usual returns relative to the consumption of water during the year are submitted with this Report.

The daily average distribution within the area of supply for the whole year has been 22·404 million gallons, against 22·763 million gallons in the previous year, being a decrease of 1·58 per cent. The decrease distributed over the several zones shows the following percentages :—

Low Level Zone ...	... 24 per cent.
Middle Level Zone ...	... 2·55 per cent.
High Level Zone ...	... 1·37 per cent.

The measured supplies show an increase of '68 per cent., while the domestic and other unmeasured supplies have decreased 2'33 per cent. The bulk supply to Coventry has increased by 3'43 per cent.

In comparing the figures of distribution of water with those of last year, the difference between the fine summer of 1911 and the phenomenally wet one of 1912 must be borne in mind. It must further be remembered that the winter of 1911-12 included the severe frost of February, 1912, which produced unprecedented distribution figures; while the winter of 1912-13 has been entirely without extraordinary demands of this character. In view of these facts it may fairly be inferred that the present year is as much below the normal as the previous year was above it, and if this conclusion be accepted and the figures of the two years are taken as one period, an increased percentage of 9'25 is shown, being equal to an increase of 4'5 per cent. per annum compound. This is altogether out of proportion to the insignificant growth of the population, as shown in Table "Q," amounting to 1'85 per cent. for the two years, that is under 1 per cent. per annum, and indicates an important increase in the unit of consumption per head per day for domestic purposes.

SOUTH STAFFORDSHIRE WATER WORKS COMPANY :

PARLIAMENTARY BILL, SESSION 1913.

As intimated by the Chairman when presenting the Report of your Committee to the meeting of the Council held on April 1st, the South Staffordshire Water Works Company have withdrawn from their Bill the two wells to which your Committee took exception, and it was accordingly unnecessary for the Corporation to appear in opposition to the Bill, which in its amended form is passing through Parliament.

1 Description.	2 Total Amounts Borrowed and Liability on Annuities at 31st March, 1913.	3 Remaining to be Borrowed.	4 Total Amount Authorized.
UNDER BIRMINGHAM (CORPORATION) WATER ACTS, 1875 AND 1879.	£ s. d.		
Annuities			
(Capitalized at 25 years' purchase)	1,156,856 15 5		
Birmingham Corporation $3\frac{1}{2}\%$ Stock	415,744 17 0		
Ditto ditto $3\frac{1}{2}\%$ Stock	201,955 0 10		
Ditto ditto $2\frac{1}{2}\%$ Stock	22,509 7 0		
Total amount outstanding	£1,797,066 0 3		
Annuities redeemed, Stock cancelled or transferred, and Loans repaid from Sinking Fund	300,793 18 5		
	£2,097,859 18 8		£2,097,859 18 8
UNDER BIRMINGHAM (CORPORATION) WATER ACT, 1892.	£ s. d.		
Birmingham Corporation $3\frac{1}{2}\%$ Stock	62,834 19 11		
Ditto ditto 3% Stock	1,327,123 2 1		
Ditto ditto $2\frac{1}{2}\%$ Stock	1,241,989 13 0		
Loans	3,585,513 10 9		
Total amount outstanding	£6,217,461 5 9		
Stock cancelled or transferred, and Loans repaid from Sinking Fund	55,038 14 3		
	£6,272,500 0 0	£327,500 0 0	£6,600,000 0 0

Dr.

B.—CAPITAL ACCOUNT No. 1, UNDER BIRMINGHAM

FOR THE YEAR ENDING

	Expenditure to 31st March, 1912.	Expenditure during the Year.	Total to 31st March, 1913
	£ s. d.	£ s. d.	£ s. d.
1 To Expenditure to 31st March, 1912	2,097,859 18 8		2,097,859 18
<i>Total carried to Balance Sheet</i>	...	...	£2,097,859 18

Dr.

C.—CAPITAL ACCOUNT No. 2, UNDER BIRMINGHAM

FOR THE YEAR ENDING

1 To Expenditure on Elan Supply to 31st March, 1912 ...	5,824,59 7 3		
2 „ Expenditure since that date		4,435 16 7	
<i>Total carried to Balance Sheet</i>	...	...	5,829,095 3 1
3 „ Amount transferred to Profit and Loss Account under Sec. 22 of the Birming- ham Corporation Water Act, 1902, to 31st March, 1912	190,706 1 7		
4 „ Amount transferred for the year ended 31st March, 1913, as per Account “E” ...	...	942 15 11	
<i>Total carried to Balance Sheet</i>	...	...	191,648 17
5 „ Expenditure on Local Works to 31st March, 1912	228,807 6 11		
„ Expenditure since that date :—			
6 Extension of Works ... 2,566 13 11			
7 New Mains 4,467 3 2			
8 New Meters 660 1 4		7,693 18 5	
<i>Less Depreciation as under :—</i>			
9 Of Plant of short duration 1,592 14 2			
10 Of Meters ... 656 19 7		2,249 13 9	
<i>Total carried to Balance Sheet</i>	...	5,444 4 8	234,251 11
Balance of Capital Account...	...	...	6,254,995 12 3 17,504 7 £6,272,500 0

CORPORATION) WATER ACTS, 1875 AND 1879.

Cr.

1st MARCH, 1913.

	Capital at 31st March, 1912.			Additions + or Reductions - during the Year.			Capital at 31st March, 1913.		
	£	s.	d.	£	s.	d.	£	s.	d.
1 By Annuities	1,189,436	2	11	- 32,579	7	6	1,156,856	15	5
2 „ Birmingham Corporation 3½ % Stock	417,601	1	8	- 1,856	4	8	415,744	17	0
3 „ Birmingham Corporation 3 % Stock	204,349	7	2	- 2,394	6	4	201,955	0	10
4 „ Birmingham Corporation 2½ % Stock	24,833	14	9	- 2,324	7	9	22,509	7	0
Total Amount Outstanding	...			...			1,797,066	0	3
5 „ Annuities redeemed and Stock cancelled from Sinking Fund ...)	261,639	12	2	+ 39,154	6	3	300,793	18	5
Total carried to Balance Sheet	...			...			£2,097,859	18	8

CORPORATION) WATER ACT, 1892.

Cr.

1st MARCH, 1913.

1 By Birmingham Corporation 3½ % Stock	63,443	3	10	- 608	3	11	62,834	19	11
2 „ Birmingham Corporation 3 % Stock	1,331,550	9	2	- 4,427	7	1	1,327,123	2	1
3 „ Birmingham Corporation 2½ % Stock	1,242,136	4	11	- 146	11	11	1,241,989	13	0
4 „ Mortgages and Loans ...	3,559,416	6	6	- 3,902 + 30,000	15 0	9 0	3,585,513	10	9
Total Amount Outstanding	...			...			6,217,461	5	9
5 „ Stock cancelled or trans- ferred and Loans repaid from Sinking Fund ...	45,953	15	7	+ 9,084	18	8	55,038	14	3
Total carried to Balance Sheet	...			...			£6,272,500	0	0

Dr.

D.—REVENUE

FOR THE YEAR ENDED

1912. £	MAINTENANCE OF WORKS, AND DISTRIBUTION OF WATER.	Year to 31st March, 1913.		
		£	s.	d.
	OLD SUPPLY.			
2,989	1 To Pumping, including Salaries, Wages, Coal, and Stores at Pumping Stations	2,305	4	3
1,679	2 „ Filtration... ..	2,179	4	7
2,054	3 „ Maintenance of Engines and Boilers	2,966	0	10
1,351	4 „ Maintenance of Reservoirs, Pumping Stations, &c.	1,527	0	0
8,073				8,977 9 8
	ELAN SUPPLY.			
2,922	5 „ Filtration and Hardening (Elan Valley)	2,908	18	8
1,470	6 „ General Maintenance and Supervision of Elan Valley Works	2,046	4	0
156	7 „ Administration of Elan Village	202	2	9
6,720	8 „ Maintenance and Super- vision of Aqueduct ...	5,500	13	7
3,827	9 „ Pumping at Frankley and Monument Road ...	4,325	15	5
728	10 „ Maintenance of Engines and Boilers at Frankley and Monument Road ...	779	12	3
1,304	11 „ Filtration (Frankley) ..	1,367	11	1
18	12 „ Maintenance of Filters (Frankley)	22	12	2
732	13 „ Maintenance of Works (Frankley)	925	18	11
649	14 „ General Working Expenses and Wages (Frankley)	658	6	1
18,526				18,737 14 11
£26,599	Carried forward ...	...		£27,715 4 7

ACCOUNT.

Cr.

31st MARCH, 1913.

	Year to 31st March, 1913.			1912.
	£	s.	d.	£
1 By Water Rents and Charges 315,655 8 4	...			309,481
2 „ Ditto ditto ditto Supplies in bulk ... 7,040 17 8	...			6,810
	322,696	6	0	
3 „ Profit on Testing Water Fittings and Laying and Maintenance of Services...	887	10	11	1,191
4 „ Net Rents of Lands, &c. (Old Works and Elan Aqueduct)	1,571	18	11	1,597
5 „ Net Rents of Lands, &c. (Elan Watershed)	1,290	12	7	1,345
6 „ Net Receipts on Fishing	204	2	6	253
7 „ Transfer Fees	10	15	0	13
8 „ Superannuation Scheme, 1909:— Members' Contributions	664	1	8	657
9 „ Profit on Hydraulic Power Supplies ...	9	18	7	—
Carried forward	£327,335	6	2	£321,347

Dr.

D.—REVENUE

FOR THE YEAR ENDED

1912.			Year to 31st March, 1913.
£		£ s. d.	£ s. d.
26,599	Brought forward ...	...	27,715 4 7
	MAINTENANCE OF WORKS, AND DISTRIBUTION OF WATER— <i>continued.</i>		
	GENERAL.		
3,842	15 To Maintenance and Renewal of Mains and Meters ...	4,595 17 2	
1,737	16 „ Salaries	1,848 6 0	
1,424	17 „ Waste Inspection ...	1,475 19 5	
	Superannuation Scheme, 1909:—		
867	18 „ Superannuation Allowances ... 916 11 4		
379	19 „ Pensions to Offi- cers & Servants 358 16 0		
229	20 „ Optional Allow- ances 216 4 10	1,491 12 2	
251	21 „ Workmen's Compensation	64 11 1	
36,347	22 „ Rates and Taxes	37,359 5 6	
164	23 „ Rents, Tithes, Easements, and Wayleaves	172 15 9	
343	24 „ Chemical and Bacterio- logical Examination of Waters	350 8 1	
4,429	25 „ General Wages	4,322 11 6	
—	26 „ National Insurance Act, Part I. (Health) ...	161 9 10	
—	27 „ National Insurance Act, Part II. (Unemployment)	16 17 11	
50,012			51,859 14 5
£76,611	Carried forward ...	...	£79,574 19 0

ACCOUNT—*continued*.

31ST MARCH, 1913.

Cr.

		Year to 31st March, 1913.			1912.
		£	s.	d.	£
Brought forward ...	...	327,335	6	2	321,347
Carried forward ...	...	£327,335	6	2	£321,347

Dr.

D.—REVENUE

FOR THE YEAR ENDED

1912.			Year to 31st March, 1913.
£		£ s. d.	£ s. d.
76,611	Brought forward ...		79,574 19 0
	MANAGEMENT.		
13,802	28 To Office Salaries ...	14,149 9 10	
689	29 „ Meter state-taking ...	638 12 6	
65	30 „ Pensions prior to 1897 Scheme ...	65 0 0	
	Superannuation Scheme, 1909 :—		
581	31 „ Superannuation Allowances... 784 1 6		
—	32 „ Contributions returned on decease or retirement of Members ... 85 5 6	869 7 0	
3,642	33 „ Office and Incidental Expenses ...	4,201 0 4	
3,079	34 „ Bank Commission and Share of Loans Fund Management Expenses...	3,070 1 8	
1,871	35 „ Abatements ...	1,965 10 10	
201	36 „ Bad Debts ...	285 3 9	
366	37 „ Law and Professional Charges ...	376 6 6	
24,296			25,620 12 5
68	38 „ Loss on Hydraulic Power Supplies ...		...
662	39 „ Revision of Water Rental ...		844 12 5
—	40 „ Alterations of and Removal to Offices, Council House ...		2,428 12 8
—	41 „ Offices at Council House, Payment to Gas Department		1,000 0 0
101,637			109,468 16 6
219,710	42 „ Balance carried to Profit and Loss Account (E) ...		217,866 9 8
£321,347			£327,335 6 2

Dr.

E.—PROFIT AND

FOR THE YEAR ENDED

1912. £			Year to 31st March, 1913.		
			£	s.	d.
2,952	1 To Balance brought from last Account	...	4,038	0	0
47,694	2 „ Annuities	... ..	46,843	19	9
	3 „ INTEREST UNDER ACTS 1875 AND 1879.				
22,435	On Birmingham Corporation Stock (including share of costs of issue)	...	22,245	6	4
	4 „ INTEREST UNDER ACT 1892.				
117,518	On Mortgages and Loans	116,872 1 8			
	On Birmingham Corporation Stock (including share of costs of issue)	77,227 16 10			
194,882			194,099	18	6
	5 „ REDEMPTION OF DEBT.				
12,037	Sinking Fund for Extinction of Annuities		12,368	9	4
	Corporation Loans Fund for Redemption of Stock, viz.—				
2,374	3½% Stock	2,464 8 7			
5,813	3% Stock	6,821 13 5			
2,394	2½% Stock	2,470 19 8			
10,581		11,757 1 8			
	Sinking Fund for Re- demption of Mortgages	3,902 15 9			
3,730			15,659	17	5
	6 „ Bank Interest	...	3,636	7	11
2,510					
£296,821			£ 298,891	19	3

LOSS ACCOUNT.

Cr.

31st MARCH, 1913.

				Year to 31st March, 1913.		1912.
				£	s. d.	£
1	By Supplementary Contribution from Borough Fund and Rate Account	...	...	4,038	0 0	2,952
2	„ Balance of Revenue Account (D)...	...	...	217,866	9 8	219,710
3	„ Hydraulic Power Account in respect of Capital Charges relative to the Hydraulic Installation, viz. :—					
	Interest under Acts 1875 and 1879	...	178 15 1			196
	Interest under Act 1892	...	292 3 9			288
	Sinking Fund under Acts 1875 and 1879		586 10 8			569
	Sinking Fund under Act 1892	...	21 4 2			
				1,078	13 8	8
4	„ Contribution from Borough Fund and Rate Account...	65,000	0 0			65,000
5	„ Transfer from Capital Ac- count “C” under Section 22 of the Birmingham Corporation Water Act, 1902	...	942 15 11			4,060
				65,942	15 11	
6	„ Balance to be carried to next Account	...		9,966	0 0	4,038
				£ 298,891	19 3	£296,821

Dr.

F.—HYDRAULIC POWER

FOR THE YEAR ENDED

1912.		Year to 31st March, 1913.
£		£ s. d.
97	1 To Ground Rent	96 15 0
319	2 „ Poor and Improvement Rates on Buildings	334 7 6
407	3 „ Salaries and Wages at Station	402 6 1
187	4 „ Gas	162 13 4
80	5 „ Stores, &c.	48 3 11
263	6 „ Water (10,231,000 Gallons at 6d. per 1,000 Gallons)	255 15 6
1,353		1,300 1 4
993	7 „ Balance carried forward	1,088 12 3
2,346		£ 2,388 13 7
	8 To Charges on Capital Outlay, viz.:—	
	On Balance outstanding—	
196	Under Acts 1875 and 1879	178 15 1
288	Under Act 1892	292 3 9
569	Sinking Fund under Acts 1875 and 1879 ...	586 10 8
8	Sinking Fund under Act 1892	21 4 2
	9 To Balance being profit for the year, carried to Revenue Account (D)... ..	9 18 7
£1,061		£ 1,088 12 3

Dr.

G.—SINKING FUND FOR

FOR THE YEAR ENDED

		£	s.	d.
1 To Balance brought from last Account	...	9,873	14	0
2 „ Purchase of Annuities for Redemption (capitalized at 25 years' purchase) as per Capital Account B	... 32,579 7 6			
3 „ Premiums on Annuities redeemed	... 1,689 10 11			
		34,268	18	5
		£44,142	12	5

Dr.

H.—BALANCE SHEET

	£	s.	d.	£	s.	d.
1 To Capital Account No. 1, as per Account B	...			2,097,859	18	8
2 „ Capital Account No. 2, as per Account C	...			6,272,500	0	0
3 „ Reserve in respect of Forged Transfers Act, 1891	...			1,500	0	0
4 „ Annuities accrued to date	11,568	11	4			
5 „ Interest accrued to date	53,587	18	7			
6 „ Trade Creditors :—						
On Capital Account	265	19	2			
On Revenue Account	22,369	12	0			
	22,635	11	2	87,792	1	1
7 „ Treasurer of the City :—						
On Revenue Account	85,902	3	7			
On Sinking Fund Account	31,774	3	1			
				117,676	6	8
				£8,577,328	6	5

E. ANTONY LEES,

5th May, 1913.

Secretary.

31ST MARCH, 1913.

		£	s.	d.
1	By Amount brought from Profit and Loss Account (£)	12,368	9	4
2	„ Balance to be carried to next Account	31,774	3	1
		£44,142	12	5

31ST MARCH, 1913.

Er.

		£	s.	d.
1	By Capital Account No. 1, as per Account B	2,097,859	18	8
	„ Capital Account No. 2, as per Account C—			
2	On Elan Supply	5,829,095	3	10
3	On Capitalization under Section 22, Act 1902	191,648	17	6
4	On Local Works	234,251	11	7
5	„ Profit and Loss Account, as per Account E—			
	Balance at Debit thereof	9,966	0	0
6	„ Sinking Fund Account, as per Account G—			
	Balance at Debit thereof	31,774	3	1
7	„ Debtors for Water Rents, Services, &c.	140,347	11	10
8	„ Stock of Iron Pipes, Coal, and General Stores	24,190	13	5
9	„ Treasurer of the City—			
	On Capital Account No. 2	17,770	6	3
10	„ Cash in hands of Secretary	424	0	3
		£8,577,328	6	5

Examined and found correct.

HOWARD SMITH, SLOCOMBE, & Co.,

Auditors

5 TO 31ST MARCH, 1912 AND 1913.

		Totals for 1913.		Increase.		Decrease.		Percentage.	
								Increase + Decrease -	

are supplied by Meter.

I.—COMPARATIVE ANALYSIS OF THE RENTALS FOR THE YEARS TO 31ST MARCH, 1912 AND 1913.

	1911.	1912.	Totals for 1912.	1913.	Totals for 1913.	Increase.	Decrease.	Percentage. Increase + Decrease -
	£	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	
DOMESTIC SUPPLIES.								
Domestic—not exceeding £50 net annual value	159,576	161,593 2 0		163,844 16 0		2,251 14 0		1·39 +
Domestic—exceeding £50 net annual value	14,227	14,034 6 0		16,813 2 0		2,778 16 0		19·80 +
Baths	10,122	10,667 7 0		11,396 13 0		729 6 0		6·83 +
Garden and Hose Pipe Watering	1,392	1,755 5 0		1,885 6 0		130 1 0		7·41 +
TOTALS FROM DOMESTIC SUPPLIES	185,317		188,050 0 0		193,939 17 0	5,889 17 0		3·13 +
UNMEASURED TRADE AND MISCELLANEOUS SUPPLIES								
Trade Supplies	14,448	14,672 9 10		14,586 16 8			85 13 2	0·59 —
Lock-up Shops, Offices, and Warehouses	5,410	5,602 0 0		4,903 2 5			698 17 7	12·48 —
Churches, Chapels, and Schools	741	742 14 0		861 7 6		118 13 6		16·01 +
*Public-houses	5,741	5,548 14 6		5,453 7 9			95 6 9	1·71 —
Unmeasured Supplies for Building Purposes	723	571 15 6		526 8 0			45 7 6	7·87 —
TOTALS FROM UNMEASURED TRADE AND MISCELLANEOUS SUPPLIES	27,063		27,137 13 10		26,331 2 4		806 11 6	2·97 —
MEASURED SUPPLIES.								
Trade Supplies	78,432	83,595 2 5		86,232 2 3		2,636 19 10		3·15 +
Railways, Street and Road Watering, Markets, etc....	9,393	10,697 18 5		9,152 6 9			1,545 11 8	14·45 —
TOTALS FROM MEASURED SUPPLIES	87,825		94,293 0 10		95,384 9 0	1,091 8 2		1·16 +
	300,205		309,480 14 8		315,655 8 4	6,174 13 8		1·99 +
SUPPLIES IN BULK	5,348		6,809 13 6		7,040 17 8	231 4 2		3·39 +
TOTAL RENTAL	305,553		316,290 8 2		322,696 6 0	6,405 17 10		2·03 +

* The figures in this line refer to the unmeasured supplies only. Many Public-houses are supplied by Meter.

INSURED SUPPLIES.

BATHS.

Net Annual not expended	value.	Annual Charge.	Number at 31st March, 1912.	Number at 31st March, 1913.
£ 5	0	4/-	25	28
7 1	0	6/-	21,999	21,609
10	0	8/-	7,725	9,110
12 1	0	10/-	2,388	2,877
15	0			
17 1	ATHS	... ..	32,137	33,624

AND HOSE PIPE WATERING.

£ 5				
7 1				
10		Annual Charge.		
12 1				
15	...	10/-	2,783	3,012
17 1	...	5/-	1,428	1,419
20			4,211	4,431
25				
30				
Total			17,376	18,678

K.—SCHEDULE OF UNMEASURED SUPPLIES.

LANDLORDS.

Net Annual Value not exceeding	Water Rents.	Number of Houses, 31st March, 1913.
£ s. d. 5 0 0	5/2	1,495
7 10 0	7/-	38,095
10 0 0	9/2	47,310
12 10 0	15/-	45,186
15 0 0	21/8	13,789
17 10 0	28/-	7,804

OCCUPIERS.

£ s. d. 5 0 0	6/-	25
7 10 0	8/-	131
10 0 0	10/4	221
12 10 0	16/8	745
15 0 0	24/-	1,207
17 10 0	31/-	2,827
20 0 0	38/-	5,471
25 0 0	44/6	8,010
30 0 0	49/6	6,114
35 0 0	54/-	2,826
40 0 0	57/-	1,621
50 0 0	60/-	2,335

Supplies used wholly or in part for domestic purposes. Percentage on net annual value—

3 per cent.	...	...	676
4 per cent.	...	...	2
5 per cent.	...	...	373
6 per cent.	...	...	2,377

TOTAL NUMBER OF HOUSES IN SUPPLY 188,640

BATHS.

ANNUAL RENT OF HOUSES.	Net Annual Value.	Annual Charge.	Number at 31st March, 1912.	Number at 31st March, 1913.
£	£ s. d.			
...	10 0 0	4/-	25	28
30	25 0 0	6/-	21,999	21,609
60	50 0 0	8/-	7,725	9,110
Exceeding 60	Exceeding 50 0 0	10/-	2,388	2,877
TOTAL NUMBER OF BATHS			32,137	33,624

GARDEN AND HOSE PIPE WATERING.

	Annual Charge.		
Hose Pipes	10/-	2,783	3,012
Garden Taps	5/-	1,428	1,419
		4,211	4,431

MISCELLANEOUS UNMEASURED SUPPLIES.

Lock-up Shops, Offices, and Warehouses ...	3,068	2,939
Trade and Sundry Charges other than Domestic	10,862	11,967
* Full Licensed and Beer Houses	1,264	1,178
Churches, Chapels, Sunday and Day Schools	348	462
Fire Hydrants and Fire Cocks	1,834	2,132
	17,376	18,678

* Unmeasured Supplies only.

L.—STATEMENT OF DISTRIBUTION OF WATER.

QUANTITY STATED IN MILLIONS OF GALLONS.

YEAR.	1 Quantity distributed by Gravitation— all in area of supply.	2 Quantity distributed by Pumping— in area of supply.	3 Quantity supplied in bulk—all by pumping.	4 Total Quantity Distributed Columns 1, 2 and 3	5 Daily Average Distribution in area of supply— average of Columns 1 and 2	TOTAL DISTRIBUTION IN DISTRICTS IN AREA OF SUPPLY.			NATURE OF TOTAL DISTRIBUTION IN AREA OF SUPPLY.	
						6 Low Level.	7 Middle Level.	8 High Level.	9 Measured.	10 Domestic, Unmeasured Trade Supplies, and Waste.
To MAR. 31										
1900	...	6,639		6,639	18·239	2,032	3,367	1,240	1,498	5,141
1901	..	6,516		6,516	17·901	1,886	3,358	1,272	1,596	4,920
1902	...	6,785		6,785	18·640	2,071	3,421	1,293	1,632	5,153
1903	..	6,672		6,672	18·332	2,074	3,302	1,296	1,578	5,094
1904*	...	6,633		6,633	18·013	1,989	3,326	1,368	1,590	5,093
1905	1,198	5,438		6,636	18·230	1,808	3,359	1,469	1,631	5,005
1906	3,739	2,743		6,482	17·807	1,881	3,013	1,588	1,773	4,709
1907	4,978	1,832		6,810	18·708	1,950	3,123	1,737	1,813	4,997
1908	4,977	1,775		6,752	18·549	1,932	3,069	1,751	1,744	5,008
1909	5,219	1,840	145	7,204	19·393	1,927	3,293	1,839	1,708	5,351
1910*	5,213	2,138	304	7,655	19·814	2,017	3,523	1,811	1,676	5,675
1911	5,604	1,860	321	7,785	20·507	2,053	3,551	1,860	1,819	5,645
1912	5,957	2,329	408	8,694	22·763	2,457	3,797	2,032	2,058	6,228
1913	6,146	2,009	422	8,577	22·404	2,451	3,700	2,004	2,072	6,083

* 53 weeks.

M.—ESTIMATED AVERAGE CONSUMPTION PER HEAD PER DAY.

YEAR ENDED MARCH 31st.

	1907.	1908.	1909.	1910.	1911.	1912.	1913.
Total average consumption per day ...	18-708 m.g.	18-549 m. g	19-393 m. g.	19-814 m. g.	20-507 m.g.	22-763 m. g.	22-404 m. g.
Maximum Day :—							
Date	28th Jan., 1907	8th Jan., 1908.	2nd Jan. 1909.	22nd May, 1909	21st June, 1910	10th Feb., 1912	18th July, 1912
Quantity	25-471 m. g.	26-172 m. g.	30-634 m. g.	25-370 m. g.	25-822 m.g.	35-008 m. g.	29-475 m. g.
Estimated average population in supply for the year, based on 4-5 persons per house on the average number of houses in supply ...	787,945	800,451	813,123	825,566	836,406	845,536	851,895
Average gross consumption per head per day ...	23-74 galls.	23-17 galls.	23-85 galls.	24-00 galls.	24-52 galls.	26-92 galls.	26-30 galls.
Average consumption per head per day for Measured Trade Supplies, and for Railways, Street and Road Watering, Markets, &c. ...	6-32 galls.	5-99 galls.	5-77 galls.	5-47 galls	5-97 galls.	6-68 galls.	6-68 galls.
Estimated average consumption per head per day for Unmeasured Trade Supplies, calculated on the basis of the rental, reckoning 6d. (the minimum meter rate) to represent 1,000 gallons	3-74 galls.	3-66 galls.	3-62 galls.	3-54 galls.	3-55 galls.	3-53 galls.	3-40 galls.
Net estimated consumption per head per day for Domestic, Fire, and Waste ...	13-68 galls.	13-52 galls.	14-46 galls.	14-99 galls.	15-00 galls.	16-71 galls.	16-22 galls.

EXPENDITURE OF CAPITAL.

	Elan Supply.	Capitalization under Section 22, Act 1902.	Totals for Year.	Total to Date.
	£	£	£	£
At 1	—	—	—	1,523,123
Jan. to 31	11,309,049	—	1,934,210	3,457,333
To 31	515,699	—	533,279	3,990,612
1	707,493	—	714,155	4,704,767
1	924,680	—	930,439	5,635,206
1	987,874	—	995,082	6,630,288
1	458,301	—	469,208	7,099,496
1	352,896	33,818	406,247	7,505,743
1	283,514	46,826	350,784	7,856,527
1	126,389	35,420	177,210	8,033,737
1	60,815	19,616	97,450	8,131,187
1	36,143	16,941	68,289	8,199,476
1	28,745	15,658	51,446	8,250,922
1	20,976	11,236	52,507	8,303,429
1	2,976	7,131	16,880	8,320,309
1	9,109	4,060	21,724	8,342,033
1	4,436	943	10,823	8,352,856
	5,829,095	191,649	6,829,733	

‡ Depreciation exceeds purchases.

N.—STATEMENT OF THE YEARLY EXPENDITURE OF CAPITAL.

Year	MAINS.		Works and Buildings, less Depreciation.	Meters, less Depreciation.	Ean Supply.	Capitalization under Section 22, Act 1902.	Totals for Year.	Total to Date.
	Length in Miles.	Cost.						
At Dec. 31, 1875	352.448	—	£ —	£ —	£ —	£ —	£ —	£ 1,523,123
Jan. 1, 1876, to 31 Mar., 1898	330.619	272,913	346,399	5,849	1,309,049	—	1,934,210	3,457,333
To 31 Mar., 1899	17.125	14,169 -1,000*	6,295 -2,275*	391	515,699	—	533,279	3,990,612
1900	17.910	7,571 -1,150*	3,271 -3,250*	220	707,493	—	714,155	4,704,767
1901	10.995	6,427 -540*	2,853 -3,310*	329	924,680	—	930,439	5,635,206
1902	14.076	9,744 -110*	1,415 -3,584*	-257‡	987,874	—	995,082	6,630,288
1903	16.906	12,673	1,066 -2,623*	-209‡	458,301	—	469,208	7,099,496
1904	18.740	19,526	1,363 -1,823*	467	352,896	33,818	406,247	7,505,743
1905	21.970	15,779 -200*	5,845 -1,027*	47	283,514	46,826	350,784	7,856,527
1906	19.430	11,861	4,893 -1,792*	439	126,389	35,420	177,210	8,033,737
1907	17.950	13,475	4,910 -1,615*	249	60,815	19,616	97,450	8,131,187
1908	18.600	13,358	3,494 -1,913*	266	36,143	16,941	68,289	8,199,476
1909	13.030	8,188	951 -2,038*	-58‡	28,745	15,658	51,446	8,250,922
1910	16.250	20,928	1,636 -1,929*	-340‡	20,976	11,236	52,507	8,303,429
1911	11.570	7,305	1,043 -1,604*	29	2,976	7,131	16,880	8,320,309
1912	10.870	8,975	928 -1,592*	244	9,109	4,060	21,724	8,342,033
1913	6.330	4,467	2,567 -1,593*	3	4,436	943	10,823	8,352,856
		444,359	356,961	7,669	5,829,095	191,649	6,829,733	

* Depreciation of Temporary Mains and Works.

‡ Depreciation exceeds purchases.

NET RESULTS.

Loss.

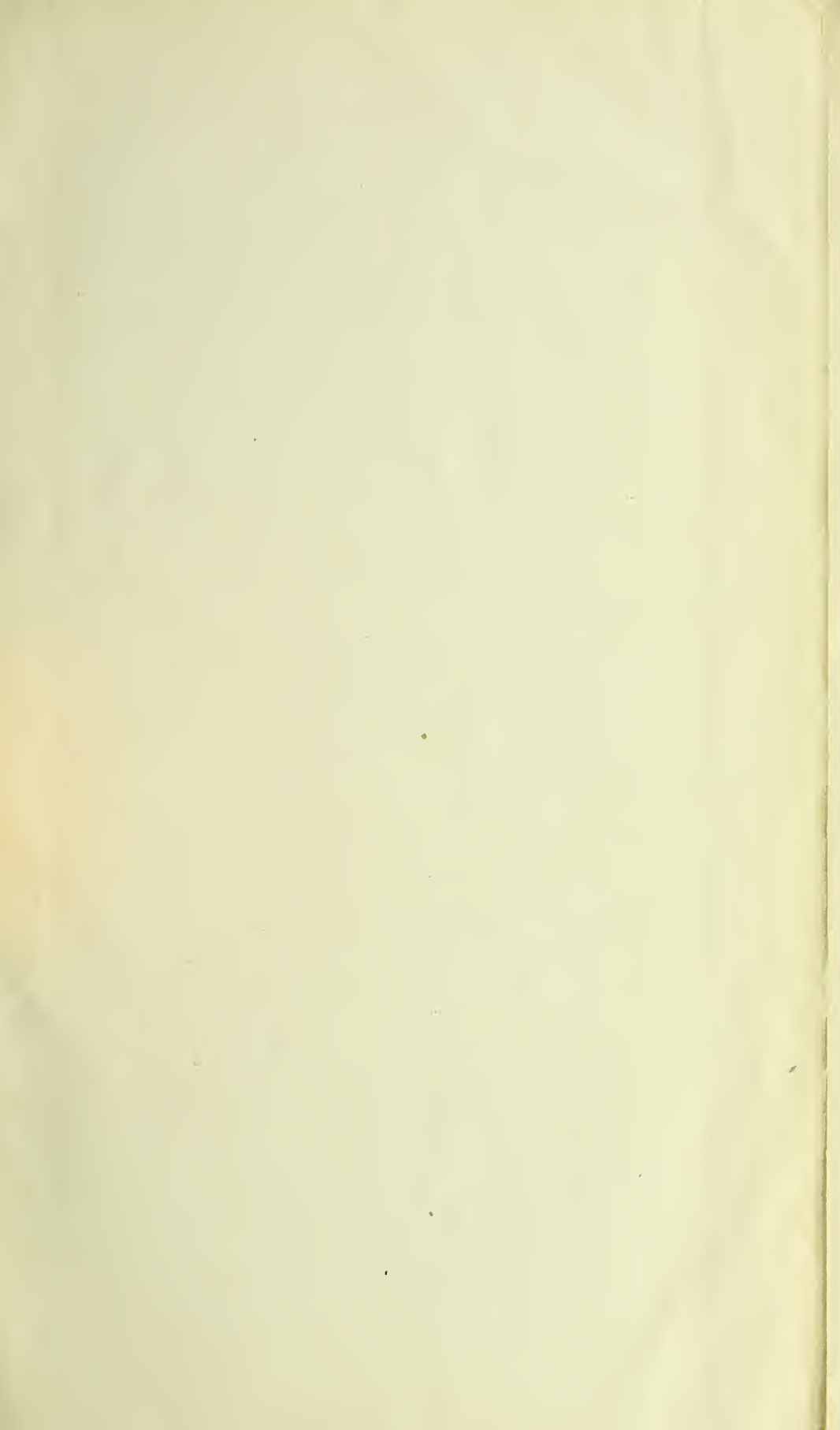
Amount.	How Covered.		
	From Reserves.	By Contribution from Rates.	By Capitalization.
16	17	18	19
£	£	£	£
28,242	28,242	...	...
...
...
...
..
...
...
...
...
6,479	6,479	...	...
32,737	32,737	...	...
65,119	65,119	...	...
80,039	80,039	...	...
85,057	6,239	45,000	33,818
91,826	...	45,000	46,826
80,420	...	45,000	35,420
84,616	...	65,000	19,616
81,941	...	65,000	16,941
80,658	...	65,000	15,658
81,059	...	65,000	11,236
75,083	...	4,823*	
		65,000	7,131
		2,952*	
73,098	...	65,000	4,060
		4,038*	
75,909	...	65,000	943
		9,966*	
102,283	218,855	611,779	191,649

* Supplemental.

O.—SUMMARY OF THE ACCOUNTS OF THE DEPARTMENT FROM 1876.

YEAR.	WATER RENTS.	REVENUE FROM VARIOUS MINOR SOURCES.							Total Revenue.	Working Expenses.	Gross Profit.	CAPITAL CHARGES.		Reserve under Forged Transfers Act, 1891.	Profit.	NET RESULTS.			
		Testing Fittings and Laying and Maintenance of Services.	Net Rents of Lands, etc.	Net Rents of Lands, etc. (Elan Estate.)	Profit on Hydraulic Power Supplies.	Fishing Subscriptions and Tickets.	Transfer Fees.	Contributions for Superannuation 1909 Scheme.				Under Acts 1875 and 1879.	Under Act 1892.			Amount.	Loss.		
																	From Reserves.	By Contribution from Rates.	By Capitalization.
	1	2	3	4	5	6	7	8	9	10	11	12	13		15	16	17	18	19
	£	£	£	£	£	£	£	£	£	£	£	£	£	£	£	£	£	£	£
Totals, 1st Jan., 1876, to 31st Mar., 1891 ...	1,771,134	22,354	7,347	...	...	1,441	220	...	1,802,496	622,423	1,180,073	1,145,453	...	...	62,862	28,242	28,242	...	...
1891-92 ...	140,247	781	313	...	...	296	19	...	141,656	53,677	87,979	84,367	...	...	3,612	...	...	..	...
1892-93 ...	143,183	544	510	...	...	282	22	...	144,541	53,470	91,071	85,304	1,676	...	4,091	...	...	...	...
1893-94 ...	175,917	1,438	454	...	...	289	18	...	178,116	58,804	119,312	85,294	7,095	...	26,923	...	...	...	...
1894-95 ...	179,371	427	1,149	...	...	253	20	...	181,220	70,374	110,846	85,648	12,971	...	12,227	..	...	...	...
1895-96 ...	187,558	1,007	1,081	...	...	205	19	...	189,870	69,779	120,091	85,056	17,317	...	17,718	...	...	...	...
1896-97 ...	199,905	851	1,017	...	...	270	16	...	202,059	69,311	132,748	85,083	21,853	...	25,812	...	...	...	...
1897-98 ...	211,921	1,225	428	...	...	188	17	...	213,779	69,908	143,871	85,152	30,065	...	28,654	...	...	...	...
1898-99 ...	221,587	1,760	784	...	...	195	19	577	224,922	79,488	145,434	86,930	43,095	...	15,409	...	...	...	...
1899-1900 ...	230,987	1,482	572	...	20	172	21	589	233,843	87,611	146,232	89,137	63,574	...	...	6,479	6,479	...	...
1900-01 ...	240,966	650	688	...	(- 32)	102	20	594	243,020	97,184	145,836	88,548	90,025	...	...	32,737	32,737	...	...
1901-02 ...	251,482	783	621	...	102	126	17	612	253,743	110,785	142,958	89,006	119,071	...	...	65,119	65,119	...	...
1902-03 ...	255,997	714	837	...	104	63	19	574	258,308	108,418	149,890	88,815	141,114	...	...	80,039	80,039	...	...
1903-04 ...	261,812	934	635	...	138	115	26	583	264,243	106,718	157,525	88,660	153,922	...	...	85,057	6,239	45,000	33,818
1904-05 ...	268,545	561	473	...	155	246	21	576	270,577	105,668	164,909	88,715	167,770	250	...	91,826	...	45,000	46,826
1905-06 ...	278,043	(- 199)	1,005	...	135	177	22	572	279,954	91,681	188,273	88,538	179,905	250	...	80,420	...	45,000	35,420
1906-07 ...	285,127	871	1,122	1,733	(- 17)	209	15	580	289,657	97,639	192,018	88,475	187,909	250	...	84,616	...	65,000	19,616
1907-08 ...	287,675	(- 66)	1,018	1,747	(- 11)	222	18	588	291,268	92,716	198,552	88,317	191,926	250	...	81,941	...	65,000	16,941
1908-09 ...	293,578	846	1,005	1,221	22	187	17	590	297,466	96,162	201,304	88,466	193,246	250	...	80,658	...	65,000	15,658
1909-10 ...	298,815	1,264	1,291	1,345	12	198	10	618	303,553	98,532	205,021	88,429	197,401	250	...	81,059	...	65,000	11,236
1910-11 ...	305,553	1,452	1,356	1,294	(- 98)	187	13	644	310,499	96,828	213,671	88,184	200,570	...	...	75,083	...	4,823* 65,000	7,131
1911-12 ...	316,290	1,191	1,597	1,345	(- 68)	253	14	657	321,347	101,637	219,710	87,750	205,058	...	...	73,098	...	2,952* 65,000	4,060
1912-13 ...	322,696	887	1,572	1,291	10	204	11	664	327,335	109,469	217,866	87,267	206,508	...	...	75,909	...	4,038* 65,000 9,966*	943
	7,128,389	42,022	26,875	9,976	698	5,880	614	9,018	7,223,472	2,548,282	4,675,190	3,066,594	2,432,071	1,500	197,308	1,022,283	218,855	611,779	191,649

* Supplemental.



LIBRARY
OF THE
UNIVERSITY OF ILLINOIS

628.1
B53

RECEIVED
OF THE
CITY OF BIRMINGHAM
22 MAY 1914

R 74.19/5/14.
1913/14

CITY OF BIRMINGHAM.

Report

OF THE

WATER COMMITTEE

FOR PRESENTATION AT

A MEETING OF THE COUNCIL, TO BE HELD ON
TUESDAY, MAY 19TH, 1914.

MEETINGS.

The Committee have, since their last Report, held three Meetings.

The Lord Mayor attended two of such Meetings.

					Attended.	Absent.
Mr. Alderman Barber	...	...	...	...	3	0
" " Bewlay	...	...	...	...	3	0
" " Clayton	...	...	...	...	2	1
" " Lloyd	...	...	...	...	3	0
" " Welch	...	...	...	...	2	1
Mr. Councillor Appleby	...	...	...	...	3	0
" " Bayliss	...	...	...	...	0	3
" " Charles	...	...	...	...	3	0
" " Coley	...	...	...	...	3	0
" " Siward James	...	...	...	...	3	0

ACCOUNTS.

Your Committee submit herewith the Accounts and Balance Sheet for the year ended March 31st, 1914.

The Water Rents show a total increase of £7,578, that is 2·35 per cent. against an increase of 2·03 per cent. last year.

The analysis of the rental given in Table " I " shows that the domestic rental has increased 0·66 per cent. against 3·13 per cent. last year. It was explained last year that the increase then was, to some extent, due to the operation of the revised scale of charges. The converse

is the case this year, the comparison now being between a normal year and one containing the special items due to the revision. Comparing the years on equal terms, the increase in the revenue from domestic supplies equals £3,580, that is 1·8 per cent. The rental from unmeasured trade supplies shows an increase of 1·32 per cent., against a decrease of 2·97 per cent. last year.. That from measured supplies shows an increase of 6·02 per cent., against an increase of 1·16 per cent. a year ago, while there has been a slight increase in the bulk supply to Coventry.

The Revenue Account shows a gross profit of £221,733, against £217,866 last year. The charges on account of Capital shown in the Profit and Loss Account amount to a net total of £303,294. This includes a provision of £34,537 for Redemption of Debt and Extinction of Annuities, £6,508 more than last year, £480,000 Loans having come into charge for redemption for the first time. The deficiency for the year is £80,467 8s. 3d., against a corresponding sum of £75,908 15s. 11d. a year ago, being an increase of £4,558 12s. 4d.

Your Committee propose to deal with the deficiency as under:—

	£	s.	d.
Contribution received from Borough Fund and Rate Account	65,000	0	0
Transfer from Capital Account (C.) under Section 22 of the Birmingham Corporation Water Act, 1902	80	8	3
Balance to be carried forward	15,387	0	0
	<u>£80,467</u>	<u>8</u>	<u>3</u>

The amount of the deficiency capitalised is that shown in the forecast table prepared in connection with the 1907 Act, and the amount is thus dealt with in order to keep the Capitalisation Account in conformity with that forecast. To cover the balance your Committee, in accordance with the practice of recent years, recommend that a supplementary contribution of £15,387 be transferred from the Borough Fund and Rate Account.

As regards the coming year, your Committee recommend that provision be made for a contribution of £65,000 from the same account.

CONSUMPTION OF WATER.

The usual returns relative to the consumption of water during the year are submitted with this report.

The average daily distribution within the area of supply for the whole year has been 23·393 million gallons, against 22·404 million gallons in the previous year, being an increase of 4·41 per cent. The difference distributed over the several zones shows the following percentages:—

Low Level Zone	... ..	1·71 per cent. (decrease).
Middle Level Zone	... ..	8·35 per cent. (increase).
High Level Zone	... ..	4·64 per cent. (increase).

The measured supplies show an increase of 11·00 per cent., while the domestic and other unmeasured supplies have increased 2·17 per cent. The bulk supply to Coventry has increased 3·08 per cent.

In comparing the figures of distribution of water with those of last year, it is to be remembered that last year's figures comprised the

TELEGRAPHIC ADDRESS,
WATER, BIRMINGHAM.

IN YOUR REPLY
PLEASE REFER TO

IT IS REQUESTED THAT ALL COMMUNICATIONS
BE ADDRESSED TO "THE SECRETARY"

City of Birmingham.
Water Department,

44, Broad Street,



Water Committee's Report to
City Council for presentation
on 21st May, 1912.

Please note that item 5 on page 16
should read £12,037 : 8 : 9, the missing
figures having been dropped by the
printers after the final proof had been
passed.

H. ANTONY LEES,
Secretary.

17th May, 1912.

City of London

London, 11th January 1892



THE LONDON AND LANCASHIRE
NAVIGATION COMPANY, LIMITED
25, ABchurch Lane, LONDON, E.C.

Please note that the 11th of January 1892
should read 11th JANUARY 1892, the closing
figures having been given by the
printers after the 11th of January had been
passed.

Yours faithfully,

Secretary.

11th JAN 1892

628.1

B53

1913/14

LIBRARY OF THE
UNIVERSITY OF ILLINOIS
3 MAY 1914

phenomenally wet summer of 1912, and in order to arrive at a more correct estimate of the rate of progression it is necessary to take a longer period. Looking at the distribution figures shown in Table " L " (column 5), and taking the consumption during the year ended 31st March, 1907 (that being the first year in which the Welsh supply was brought into full distribution) it will be seen that the daily average was 18·708 million gallons; for the year just completed the figure is 23·393 million gallons, showing an increase in the daily average of 4·685 million gallons over the seven years, being 25 per cent., which equals a rate of $3\frac{1}{4}$ per cent. per annum compound, and emphasises the point your Committee have already brought before the Council of the rapid approach of the time when an augmentation of the supply will be necessary. This is a matter which is engaging the most earnest attention of your Committee, and they had hoped to have been able to place definite proposals before the Council with this Report, but unavoidable circumstances have necessitated a further short delay.

ELAN AQUEDUCT.

In view of the importance of maintaining the Elan Aqueduct in the highest state of efficiency your Committee have undertaken the strengthening of a further length on the Severn Syphon, which the experience of last year showed to have become specially liable to failures. The method adopted is again that of concreting under the pipes, which has hitherto been successful in all cases. The length in question is about 420 lineal yards between the streams Rea and Lea in the neighbourhood of Cleobury Mortimer. The tender of Mr. George Law, of Kidderminster, at £1,879 14s. 7d. has been accepted for the work, which is now proceeding.

RAINFALL.

The rainfall at Erdington, Whitacre, and in the Elan Valley during the past ten years has been as under:—

Year.	Witton and Erdington.	Whitacre.	Average of Gauges in Elan Valley.
	Inches.	Inches.	Inches.
1904	20·09	23·58	51·80
1905	19·67	21·61	54·39
1906	24·54	25·35	67·59
1907	27·80	28·91	61·36
1908	28·27	25·37	59·32
1909	27·77	28·21	62·57
1910	30·10	30·67	77·67
1911	19·06	19·36	60·31
1912	32·84	33·37	73·53
1913	24·84	25·70	70·58
Average for the ten years }	25·49	26·21	63·91

NMS 12MP 15

20074 DIRECT GIFT

A.—STATEMENT OF AUTHORIZED CAPITAL.

ON THE 31ST MARCH, 1914.

1	2	3	4
Description.	Total Amounts Borrowed and Liability on Annuities at 31st March, 1914.	Remaining to be Borrowed.	Total Amount Authorized.
	£ s. d.		
UNDER BIRMINGHAM (CORPORATION) WATER ACTS, 1875 AND 1879.			
Annuities			
(Capitalized at 25 years' purchase)	1,141,228 19 2		
Birmingham Corporation 3½% Stock	413,813 12 7		
Ditto ditto 3% Stock	199,478 0 0		
Ditto ditto 2½% Stock	20,109 8 6		
Total amount outstanding	£1,774,630 0 3		
Annuities redeemed, Stock cancelled or transferred, and Loans repaid from Sinking Fund	323,229 18 5		
	£2,097,859 18 8		£2,097,859 18 8
UNDER BIRMINGHAM (CORPORATION) WATER ACT, 1892.	£ s. d.		
Birmingham Corporation 3½% Stock	62,040 2 2		
Ditto ditto 3% Stock	1,322,562 18 8		
Ditto ditto 2½% Stock	1,236,528 9 1		
Loans	3,606,309 13 7		
Total amount outstanding	£6,227,441 3 6		
Stock cancelled or transferred, and Loans repaid from Sinking Fund	70,058 16 6		
	£6,297,500 0 0	£302,500 0 0	£6,600,000 0 0

Dr.

B.—CAPITAL ACCOUNT No. 1, UNDER BIRMINGHAM
FOR THE YEAR ENDED

	Expenditure to 31st March, 1913.	Expenditure during the Year.	Total to 31st March, 1914.
	£ s. d.	£ s. d.	£ s. d.
1 To Expenditure to 31st March, 1913	2,097,859 18 8		2,097,859 18 8
<i>Total carried to Balance Sheet</i>	...	...	<u>£2,097,859 18 8</u>

Dr.

C.—CAPITAL ACCOUNT No. 2, UNDER BIRMINGHAM
FOR THE YEAR ENDED

1 To Expenditure on Elan Supply to 31st March, 1913 ...	5,829,095 3 10		
2 „ Expenditure since that date		1,694 9 8	
<i>Total carried to Balance Sheet</i>	...	...	5,830,789 13 6
3 „ Amount transferred to Profit and Loss Account under Sec. 22 of the Birming- ham Corporation Water Act, 1902, to 31st March, 1913	191,648 17 6		
4 „ Ditto for the year ended 31st March, 1914, as per Account “E”		80 8 3	
<i>Total carried to Balance Sheet</i>	...	...	191,729 5 9
5 „ Expenditure on Local Works to 31st March, 1913	234,251 11 7		
6 „ Expenditure since that date :— Extension of Works ... 1,113 12 1			
7 New Mains 18,541 6 11			
8 New Meters 826 17 6			
	...	20,481 16 6	
<i>Less Depreciation as under:—</i>			
9 Of Plant of short duration 1,853 12 9			
10 Of Meters ... 659 18 10		2,513 11 7	
<i>Total carried to Balance Sheet</i>	...	17,968 4 11	252,219 16 6
<i>Balance of Capital Account</i>	...	...	6,274,738 15 9 22,761 4 3 <u>£6,297,500 0 0</u>

(CORPORATION) WATER ACTS, 1875 AND 1879.

Cr.

31ST MARCH, 1914.

	Capital at 31st March, 1913.			Additions + or Reductions - during the Year.			Capital at 31st March, 1914.		
	£	s.	d.	£	s.	d.	£	s.	d.
1 By Annuities	1,156,856	15	5	-15,627	16	3	1,141,228	19	2
2 „ Birmingham Corporation 3½ % Stock	415,744	17	0	- 1,931	4	5	413,813	12	7
3 „ Birmingham Corporation 3 % Stock	201,955	0	10	- 2,477	0	10	199,478	0	0
4 „ Birmingham Corporation 2½ % Stock	22,509	7	0	- 2,399	18	6	20,109	8	6
Total Amount Outstanding	...			...			1,774,630	0	3
5 „ Annuities redeemed and Stock cancelled from Sinking Fund ...)	300,793	18	5	+22,436	0	0	323,229	18	5
Total carried to Balance Sheet	...			...			£2,097,859	18	8

(CORPORATION) WATER ACT, 1892.

Cr.

31ST MARCH, 1914.

1 By Birmingham Corporation 3½ % Stock	62,834	19	11	- 794	17	9	62,040	2	2
2 „ Birmingham Corporation 3 % Stock	1,327,123	2	1	- 4,560	3	5	1,322,562	18	8
3 „ Birmingham Corporation 2½ % Stock	1,241,989	13	0	- 5,461	3	11	1,236,528	9	1
4 „ Mortgages and Loans ...	3,585,513	10	9	- 4,203 17 2 +25,000 0 0			3,606,309	13	7
Total Amount Outstanding	...			...			6,227,441	3	6
5 „ Stock cancelled or trans- ferred and Loans repaid from Sinking Fund ...	55,038	14	3	+15,020	2	3	70,058	16	6
Total carried to Balance Sheet	...			...			£6,297,500	0	0

Dr.

D.—REVENUE

FOR THE YEAR ENDED

1913. £	MAINTENANCE OF WORKS, AND DISTRIBUTION OF WATER,				Year to 31st March, 1914.		
		£	s.	d.	£	s.	d.
	OLD SUPPLY.						
2,305	1 To Pumping, including Salaries, Wages, Coal, and Stores at Pumping Stations	4,117	12	1			
2,179	2 „ Filtration... ..	1,664	5	4			
2,966	3 „ Maintenance of Engines and Boilers	2,860	13	4			
1,527	4 „ Maintenance of Reservoirs, Pumping Stations, &c.	1,686	0	7			
8,977					10,328	11	4
	ELAN SUPPLY.						
2,909	5 „ Filtration and Hardening (Elan Valley)	3,199	14	11			
2,046	6 „ General Maintenance and Supervision of Elan Valley Works	1,943	17	9			
202	7 „ Administration of Elan Village	122	14	10			
5,501	8 „ Maintenance and Super- vision of Aqueduct ...	6,387	19	9			
4,326	9 „ Pumping at Frankley and Monument Road ...	4,242	17	4			
780	10 „ Maintenance of Engines and Boilers at Frankley and Monument Road ...	652	14	7			
1,367	11 „ Filtration (Frankley) ..	1,545	8	11			
23	12 „ Maintenance of Filters (Frankley)	83	11	4			
926	13 „ Maintenance of Works (Frankley)	930	6	4			
658	14 „ General Working Expenses and Wages (Frankley)	635	12	4			
18,738					19,744	18	1
£27,715	Carried forward ...	...			£30,073	9	5

ACCOUNT.

Cr.

31ST MARCH, 1914.

				Year to 31st March, 1914.			1913.
				£	s.	d.	£
1	By	Water Rents and Charges	323,026 18 7				315,655
2	„	Ditto ditto ditto Supplies in bulk ...	7,247 11 0				7,041
				330,274	9	7	
3	„	Profit on Testing Water Fittings and Laying and Maintenance of Services...		924	19	10	887
4	„	Net Rents of Lands, &c. (Old Works and Elan Aqueduct)		1,402	6	11	1,572
5	„	Net Rents of Lands, &c. (Elan Watershed)		1,253	9	3	1,291
6	„	Net Receipts on Fishing		112	7	5	204
7	„	Transfer Fees		16	15	0	11
8	„	Superannuation Scheme, 1909 :— Members' Contributions		677	16	2	664
9	„	Profit on Hydraulic Power Supplies ...		33	5	4	10
Carried forward				£334,695	9	6	£327,335

Dr.

D.—REVENUE

FOR THE YEAR ENDED

1913.			Year to 31st March, 1914.
£ 27,715	Brought forward ...	£ s. d. ...	£ s. d. 30,073 9 5
MAINTENANCE OF WORKS, AND DISTRIBUTION OF WATER— <i>continued.</i>			
GENERAL.			
4,596	15 To Maintenance and Renewal of Mains and Meters ...	5,054 1 9	
1,848	16 „ Salaries	1,913 15 0	
1,476	17 „ Waste Inspection ...	1,521 3 10	
	Superannuation Scheme, 1909:—		
917	18 „ Superannuation Allowances ... 843 8 5		
359	19 „ Pensions to Offi- cers & Servants 374 4 2		
216	20 „ Optional Allow- ances 187 4 0	1,404 16 7	
65	21 „ Workmen's Compensation	87 15 9	
37,359	22 „ Rates and Taxes	38,695 11 6	
173	23 „ Rents, Tithes, Easements, and Wayleaves	162 5 4	
350	24 „ Chemical and Bacterio- logical Examination of Water	356 19 3	
4,323	25 „ General Wages	4,388 17 2	
161	26 „ National Insurance Act, Part I. (Health) ...	229 10 10	
17	27 „ National Insurance Act, Part II. (Unemployment)	17 0 3	
51,860			53,831 17 3
£79,575	Carried forward ...	...	£83,905 6 8

ACCOUNT—*continued*.

31ST MARCH, 1914.

Cr.

		Year to 31st March, 1914.			1913.
		£	s.	d.	£
Brought forward ...	...	334,695	9	6	327,335
Carried forward ...	...	£334,695	9	6	£327,335

Dr.

D.—REVENUE

FOR THE YEAR ENDED

1913.			Year to 31st March, 1914.		
			£	s.	d.
79,575		Brought forward ...			83,905 6 8
		MANAGEMENT.			
14,149	28	To Office Salaries ...	14,345	2	9
639	29	„ Meter state-taking ...	598	18	9
65	30	„ Pensions prior to 1897 Scheme ...	65	0	0
		Superannuation Scheme, 1909:—			
784	31	„ Superannuation Allowances ...	954	17	0
	32	„ Contributions returned on decease or retirement of Members ...			
85			954	17	0
4,201	33	„ Office and Incidental Expenses ...	4,197	4	11
3,070	34	„ Bank Commission and Share of Loans Fund Management Expenses...	3,065	18	11
1,966	35	„ Abatements ...	1,809	14	0
285	36	„ Bad Debts ...	317	1	10
376	37	„ Law and Professional Charges ...	515	4	4
25,620					25,869 2 6
845	38	„ Revision of Water Rental ...			—
2,429	39	„ Alterations to Offices, Council House ...			1,187 14 2
1,000	40	„ Offices at Council House, Payment to Gas Department ...			2,000 0 0
109,469					112,962 3 4
217,866	41	„ Balance carried to Profit and Loss Account (E) ...			221,733 6 2
£327,335					£334,695 9 6

Dr

E.—PROFIT AND

FOR THE YEAR ENDED

1913. £			Year to 31st March, 1914.		
			£	s.	d.
4,038	1 To Balance brought from last Account	...	9,966	0	0
46,844	2 „ Annuities	... ..	45,790	2	7
22,245	3 „ INTEREST UNDER ACTS 1875 AND 1879. On Birmingham Corporation Stock (including share of costs of issue)	...	22,048	19	7
116,872	4 „ INTEREST UNDER ACT 1892. On Mortgages and Loans	119,514 0 4			
77,228	On Birmingham Corporation Stock (including share of costs of issue)	77,034 4 8			
194,100			196,548	5	0
12,369	5 „ REDEMPTION OF DEBT. Sinking Fund for Extinction of Annuities		12,708	11	11
2,464	Corporation Loans Fund for Redemption of Stock, viz.— 3½ % Stock	... .. 2,726 2 2			
6,822	3 % Stock	... .. 7,037 4 3			
2,471	2½ % Stock	... .. 7,861 2 5			
11,757		17,624 8 10			
3,903	Sinking Fund for Redemp- tion of Mortgages	4,203 17 2			
3,636	6 „ Bank Interest	... ..	4,370	2	4
£298,892			£ 313,260	7	5

LOSS ACCOUNT.

Cr.

31ST MARCH, 1914.

				Year to 31st March, 1914.			1913.
				£	s.	d.	£
1	By Supplementary Contribution from Borough Fund and Rate Account	...	...	9,966	0	0	4,038
2	„ Balance of Revenue Account (D)...	...	...	221,733	6	2	217,866
3	„ Hydraulic Power Account in respect of Capital Charges relative to the Hydraulic Installation, viz. :—						
	Interest under Acts 1875 and 1879	...	161 3 3				179
	Interest under Act 1892	...	292 4 0				292
	Sinking Fund under Acts 1875 and 1879		604 2 6				587
	Sinking Fund under Act 1892	...	36 3 3				21
				1,093	13	0	
4	„ Contribution from Borough Fund and Rate Account	65,000	0 0	...			65,000
5	„ Transfer from Capital Account “C” under Section 22 of the Birmingham Corporation Water Act, 1902	...	80 8 3				
				65,080	8	3	943
6	„ Balance carried to next Account	...	...	15,387	0	0	9,966
				£ 313,260	7	5	£298,892

Dr.

F.—HYDRAULIC POWER

FOR THE YEAR ENDED

1913.		Year to 31st March, 1914.		
		£	s.	d.
£ 97	1 To Ground Rent	96	15	0
334	2 „ Poor and Improvement Rates on Buildings	337	10	0
402	3 „ Salaries and Wages at Station	415	17	9
163	4 „ Gas	176	18	6
48	5 „ Stores, &c.	62	11	4
256	6 „ Water (10,999,000 Gallons at 6d. per 1,000 Gallons)	274	19	6
1,300		1,364	12	1
1,089	7 „ Balance carried forward	1,126	18	4
2,389		£ 2,491	10	5
8 To Charges on Capital Outlay, viz.:—				
On Balances outstanding—				
179	Under Acts 1875 and 1879, £5,372 1 10	161	3	3
292	Under Act 1892, £9,740	292	4	0
587	Sinking Fund under Acts 1875 and 1879 ...	604	2	6
21	Sinking Fund under Act 1892	36	3	3
10	9 To Balance, being profit for the year, carried to Revenue Account (D)	33	5	4
£1,089		£ 1,126	18	4

SUPPLY ACCOUNT.

Cr.

31ST MARCH, 1914.

	Year to 31st March, 1914.			1913.
	£	s.	d.	£
1 By Charges for power	2,491	10	5	2,389
	£ 2,491 10 5			2,389
2 By Balance brought forward	1,126	18	4	1,089
	£ 1,126 18 4			£1,089

Dr.

G.—SINKING FUND FOR

FOR THE YEAR ENDED

		£	s.	d.
1 To Balance brought from last Account	... ..	31,774	3	1
2 „ Purchase of £625 2s. 3d. Annuities for Redemption (capitalized at 25 years' purchase) as per Capital Account B...	15,627 16 3			
3 „ Premiums on Annuities redeemed	351 0 8			
		15,978	16	11
		£47,753	0	0

Dr.

H.—BALANCE SHEET

	£	s.	d.	£	s.	d.
1 To Capital Account No. 1, as per Account B	...			2,097,859	18	8
2 „ Capital Account No. 2, as per Account C	...			6,297,500	0	0
3 „ Reserve in respect of Forged Transfers Act, 1891	...			1,500	0	0
4 „ Annuities accrued to date	11,412	5	10			
5 „ Interest accrued to date	54,075	17	10			
6 „ Trade Creditors:— On Capital Account ... 529 17 1 On Revenue Account... 21,737 3 5	22,267	0	6			
				87,755	4	2
7 „ Treasurer of the City:— On Revenue Account ... 93,229 18 0 On Sinking Fund Account ... 35,044 8 1						
				128,274	6	1
				£8,612,889	8	11

E. ANTONY LEES,

Secretary.

30th April, 1914.

ANNUITIES ACCOUNT.

Cr.

31ST MARCH, 1914.

	£	s.	d.
1 By Amount brought from Profit and Loss Account (E) ...	12,708	11	11
2 „ Balance to be carried to next Account	35,044	8	1
	£47,753	0	0

31ST MARCH, 1914.

Cr.

	£	s.	d.
1 By Capital Account No. 1, as per Account B	2,097,859	18	8
„ Capital Account No. 2, as per Account C—			
2 On Elan Supply	5,830,789	13	6
3 On Capitalization under Section 22, Act 1902 ..	191,729	5	9
4 On Local Works	252,219	16	6
5 „ Profit and Loss Account, as per Account E—			
Balance at Debit thereof	15,387	0	0
6 „ Sinking Fund Account, as per Account G—			
Balance at Debit thereof	35,044	8	1
7 „ Debtors for Water Rents, Services, &c. ...	138,997	11	7
8 „ Stock of Iron Pipes, Coal, and General Stores ...	27,243	15	6
9 „ Treasurer of the City—			
On Capital Account No. 2	23,291	1	4
10 „ Cash in hands of Secretary	326	18	0
	£8,612,889	8	11

Examined and found correct,

HOWARD SMITH, SLOCOMBE, & Co ,

Auditors.

30th April, 1914.

LIBRARY
OF THE
UNIVERSITY OF ILLINOIS
22 MAY 1914

TO 31ST MARCH, 1913 AND 1914.

		Totals for 1914.	Increase.	Decrease.	Percentage. Increase + Decrease -
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	
DOMESTIC	d.				
Domes	1 0		824 5 0		0·50 +
Domes	9 0			45 13 0	0·27 -
Baths	2 0		450 19 0		3·96 +
Garden	0 0		50 14 0		2·71 +
T		195,220 2 0	1,280 5 0		0·66 +
UNMEASURED					
Trade	8 10		98 12 2		0·68 +
Lock-	0 0		146 17 7		3·00 +
Churc	3 6		6 0		·00 +
*Public	5 0			105 12 9	1·94 -
Unme	5 0		207 7 0		39·35 +
TOTAL		26,678 12 4	347 10 0		1·32 +
MEASURED					
Trade	5 11		4,747 3 8		5·50 +
Railw	8 4		996 11 7		10·89 +
T		101,128 4 3	5,743 15 3		6·02 +
		323,026 18 7	7,371 10 3		2·34 +
SUPPLIES		7,247 11 0	206 13 4		2·94 +
T		330,274 9 7	7,578 3 7		2·35 +

are supplied by Meter.

I.—COMPARATIVE ANALYSIS OF THE RENTALS FOR THE YEARS TO 31ST MARCH, 1913 AND 1914.

	1912.	1913.	Totals for 1913.	1914.	Totals for 1914.	Increase.	Decrease.	Percentage. Increase + Decrease -
	£	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	
DOMESTIC SUPPLIES.								
Domestic—not exceeding £50 net annual value	161,593	163,844 16 0		164,669 1 0		824 5 0		0·50 +
Domestic—exceeding £50 net annual value	14,034	16,813 2 0		16,767 9 0			45 13 0	0·27 -
Baths	10,668	11,396 13 0		11,847 12 0		450 19 0		3·96 +
Garden and Hose Pipe Watering	1,755	1,885 6 0		1,936 0 0		50 14 0		2·71 +
TOTALS FROM DOMESTIC SUPPLIES	188,050		193,939 17 0		195,220 2 0	1,280 5 0		0·66 +
UNMEASURED TRADE AND MISCELLANEOUS SUPPLIES								
Trade Supplies	14,673	14,586 16 8		14,685 8 10		98 12 2		0·68 +
Lock-up Shops, Offices, and Warehouses	5,602	4,903 2 5		5,050 0 0		146 17 7		3·00 +
Churches, Chapels, and Schools	742	861 7 6		861 13 6		6 0		·00 +
*Public-houses	5,549	5,453 7 9		5,347 15 0			105 12 9	1·94 -
Unmeasured Supplies for Building Purposes	572	526 8 0		733 15 0		207 7 0		39·35 +
TOTALS FROM UNMEASURED TRADE AND MISCELLANEOUS SUPPLIES	27,138		26,331 2 4		26,678 12 4	347 10 0		1·32 +
MEASURED SUPPLIES.								
Trade Supplies	83,595	86,232 2 3		90,979 5 11		4,747 3 8		5·50 +
Railways, Street and Road Watering, Markets, etc....	10,698	9,152 6 9		10,148 18 4		996 11 7		10·89 +
TOTALS FROM MEASURED SUPPLIES	94,293		95,384 9 0		101,128 4 3	5,743 15 3		6·02 +
	309,481		315,655 8 4		323,026 18 7	7,371 10 3		2·34 +
SUPPLIES IN BULK	6,809		7,040 17 8		7,247 11 0	206 13 4		2·94 +
TOTAL RENTAL	316,290		322,696 6 0		330,274 9 7	7,578 3 7		2·35 +

* The figures in this line refer to the unmeasured supplies only. Many Public-houses are supplied by Meter.

K.—SCHEDULE OF UNMEASURED SUPPLIES.

			1910	1911	1912			
35	0	0	54/-	2,826	2,846			
40	0	0	57/-	1,621	1,656			
50	0	0	60/-	2,335	2,327			
Supplies used wholly or in part for domestic purposes. Percentage on net annual value—						MISCELLANEOUS UNMEASURED SUPPLIES.		
			3 per cent.	676	674	Lock-up Shops, Offices, and Warehouses ...		
			4 per cent.	2	4	Trade and Sundry Charges other than Domestic ...		
			5 per cent.	373	367	*Full Licensed and Beer Houses ...		
			6 per cent.	2,377	2,382	Churches, Chapels, Sunday and Day Schools ...		
						Fire Hydrants and Fire Cocks ...		
TOTAL NUMBER OF HOUSES IN SUPPLY ...				188,640	189,633			
						2,939		
						11,967		
						1,178		
						462		
						2,132		
						18,678		
						2,985		
						11,888		
						1,147		
						470		
						2,209		
						18,699		

* Unmeasured Supplies only.

K.—SCHEDULE OF UNMEASURED SUPPLIES.

LANDLORDS.

Net Annual Value not exceeding	Water Rents.	Number of Houses, 31st March, 1913.	Number of Houses, 31st March, 1914.
£ s. d. 5 0 0	5/2	1,495	1,444
7 10 0	7/-	38,095	37,426
10 0 0	9/2	47,310	47,147
12 10 0	15/-	45,186	45,679
15 0 0	21/8	13,789	13,976
17 10 0	28/-	7,804	8,282

OCCUPIERS.

£ s. d. 5 0 0	6/-	25	27
7 10 0	8/-	131	143
10 0 0	10/4	221	263
12 10 0	16/8	745	801
15 0 0	24/-	1,207	1,263
17 10 0	31/-	2,827	2,929
20 0 0	38/-	5,471	5,5 0
25 0 0	44/6	8,010	8,265
30 0 0	49/6	6,114	6,152
35 0 0	54/-	2,826	2,846
40 0 0	57/-	1,621	1,656
50 0 0	60/-	2,335	2,327

BATHS.

ANNUAL RENT OF HOUSES.	Net Annual Value.	Annual Charge.	Number at 31st March, 1913.	Number at 31st March, 1914.
£	£ s. d.			
...	10 0 0	4/-	28	29
30	25 0 0	6/-	21,609	22,857
60	50 0 0	8/-	9,110	9,334
Exceeding 60	Exceeding 50 0 0	10/-	2,877	2,921
TOTAL NUMBER OF BATHS			33,624	35,141

GARDEN AND HOSE PIPE WATERING.

			Annual Charge.		
Hose Pipes ...	...	...	10/-	3,012	3,123
Garden Taps ...	...	...	5/-	1,419	1,412
				4,431	4,535

MISCELLANEOUS UNMEASURED SUPPLIES.

Lock-up Shops, Offices, and Warehouses ...	2,939	2,985
Trade and Sundry Charges other than Domestic	11,967	11,888
* Full Licensed and Beer Houses ...	1,178	1,147
Churches, Chapels, Sunday and Day Schools	462	470
Fire Hydrants and Fire Cocks ...	2,132	2,209
	18,678	18,699

Supplies used wholly or in part
for domestic purposes. Per-
centage on net annual value—

3 per cent. ...	676	674
4 per cent. ...	2	4
5 per cent. ...	373	367
6 per cent. ...	2,377	2,382
TOTAL NUMBER OF HOUSES IN SUPPLY ...	188,640	189,633

* Unmeasured Supplies only.

L.—STATEMENT OF DISTRIBUTION OF WATER.

QUANTITY STATED IN MILLIONS OF GALLONS.

YEAR.	1 Quantity distributed by Gravitation— all in area of supply.	2 Quantity distributed by Pumping— in area of supply.	3 Quantity supplied in bulk—all by pumping.	4 Total Quantity Distributed Columns 1, 2 and 3	5 Daily Average Distribution in area of supply— average of Columns 1 and 2	TOTAL DISTRIBUTION IN DISTRICTS IN AREA OF SUPPLY.			NATURE OF TOTAL DISTRIBUTION in AREA OF SUPPLY.	
						6 Low Level.	7 Middle Level.	8 High Level.	9 Measured.	10 Domestic, Unmeasured Trade Supplies, and Waste.
To MAR. 31										
1901	..	6,516		6,516	17·901	1,886	3,358	1,272	1,596	4,920
1902	...	6,785		6,785	18·640	2,071	3,421	1,293	1,632	5,153
1903	...	6,672		6,672	18·332	2,074	3,302	1,296	1,578	5,094
1904*	.	6,683		6,683	18·013	1,989	3,326	1,368	1,590	5,093
1905	1,198	5,438		6,636	18·230	1,808	3,359	1,469	1,631	5,005
1906	3,739	2,743		6,482	17·807	1,881	3,013	1,588	1,773	4,709
1907	4,978	1,832		6,810	18·708	1,950	3,123	1,737	1,813	4,997
1908	4,977	1,775		6,752	18·549	1,932	3,069	1,751	1,744	5,008
1909	5,219	1,840	145	7,204	19·393	1,927	3,293	1,839	1,708	5,351
1910*	5,213	2,138	304	7,655	19·814	2,017	3,523	1,811	1,676	5,675
1911	5,604	1,860	321	7,785	20·507	2,053	3,551	1,860	1,819	5,645
1912	5,957	2,329	408	8,694	22·763	2,457	3,797	2,032	2,058	6,228
1913	6,146	2,009	422	8,577	22·404	2,451	3,700	2,004	2,072	6,083
1914	6,061	2,454	435	8,950	23·393	2,409	4,009	2,097	2,300	6,215

* 53 weeks.

M.—ESTIMATED AVERAGE CONSUMPTION PER HEAD PER DAY.

YEAR ENDED MARCH 31st.

Total average consumption per day ...	1908. 18-549 m. g.	1909. 19-393 m. g.	1910. 19-814 m. g.	1911. 20-507 m. g.	1912. 22-763 m. g.	1913. 22-404 m. g.	1914. 23-393 m. g.
Maximum Day :—							
Date	8th Jan., 1908.	2nd Jan. 1909.	22nd May, 1909	21st June, 1910	10th Feb., 1912	18th July, 1912	19th June, 1913
Quantity	26-172 m. g.	30-634 m. g.	25-370 m. g.	25-822 m. g.	35-008 m. g.	29-475 m. g.	28-324 m. g.
Estimated average population in supply for the year, based on 4-5 persons per house on the average number of houses in supply	800,451	813,123	825,566	836,406	845,536	851,895	856,346
Average gross consumption per head per day	23-17 galls.	23-85 galls.	24-00 galls.	24-52 galls.	26-92 galls.	26-30 galls.	27-32 galls.
Average consumption per head per day for Measured Trade Supplies, and for Railways, Street and Road Watering, Markets, &c.	5-99 galls.	5-77 galls.	5-47 galls	5-97 galls.	6-68 galls.	6-68 galls.	7-38 galls.
Estimated average consumption per head per day for Unmeasured Trade Supplies, calculated on the basis of the rental, reckoning 6d. (the minimum meter rate) to represent 1,000 gallons	3-66 galls.	3-62 galls.	3-54 galls.	3-55 galls.	3-53 galls.	3-40 galls.	3-43 galls.
Net estimated consumption per head per day for Domestic, Fire, and Waste	13-52 galls.	14-46 galls.	14-99 galls.	15-00 galls.	16-71 galls.	16-22 galls.	16-51 galls.

N.—STATEMENT OF THE YEARLY EXPENDITURE OF CAPITAL.

LIBRARY
OF THE
UNIVERSITY OF ILLINOIS
22 MAY 1914

N.—STATEMENT OF THE YEARLY EXPENDITURE OF CAPITAL.

Year	MAINS.		Works and Buildings, less Depreciation.	Meters, less Depreciation.	Elev. Supply.	Capitalization under Section 22, Act 1902.	Totals for Year.	Total to Date.
	Length in Miles.	Cost.						
At Dec. 31, 1875	252.448	—	£ —	£ —	£ —	£ —	£ —	£ 1,523,123
Jan. 1, 1876, to 31 Mar., 1898	330.619	272,913	346,399	5,849	1,309,049	—	1,934,210	3,457,333
To 31 Mar., 1899	17.125	14,169 -1,000*	6,295 -2,275*	391	515,699	—	533,279	3,990,612
1900	17.910	7,571 -1,150*	3,271 -3,250*	220	707,493	—	714,155	4,704,767
1901	10.995	6,427 -540*	2,853 -3,310*	329	924,680	—	930,439	5,635,206
1902	14.076	9,744 -110*	1,415 -3,584*	-257‡	987,874	—	995,082	6,630,288
1903	16.906	12,673	1,066 -2,623*	-209‡	458,301	—	469,208	7,099,496
1904	18.740	19,526	1,363 -1,823*	467	352,896	33,818	406,247	7,505,743
1905	21.970	15,779 -200*	5,845 -1,027*	47	283,514	46,826	350,784	7,856,527
1906	19.430	11,861	4,893 -1,792*	439	126,389	35,420	177,210	8,033,737
1907	17.950	13,475	4,910 -1,615*	249	60,815	19,616	97,450	8,131,187
1908	18.600	13,358	3,494 -1,913*	266	36,143	16,941	68,289	8,199,476
1909	13.030	8,188	951 -2,038*	-58‡	28,745	15,658	51,446	8,250,922
1910	16.250	20,928	1,636 -1,929*	-340‡	20,976	11,236	52,507	8,303,429
1911	11.570	7,305	1,043 -1,604*	29	2,976	7,131	16,880	8,320,309
1912	10.870	8,975	928 -1,592*	244	9,109	4,060	21,724	8,342,033
1913	6.330	4,467	2,567 -1,593*	3	4,436	943	10,823	8,352,856
1914	11.110	18,541	1,114 -1,853*	167	1,694	80	19,743	8,372,599
		462,900	356,222	7,836	5,830,789	191,729	6,849,476	

* Depreciation of Temporary Mains and Works. ‡ Depreciation exceeds purchases.

		NET RESULTS.		
		Loss.		
	Working Expenses.	HOW COVERED.		
		From Reserves.	By Contribution from Rates.	By Capitalization.
	10	18	19	20
	£	£	£	£
Totals	622,423	28,242	...	...
187				
Mar				
	53,677	...	..	...
18				
	53,470	...	...	...
18				
	58,804	...	...	...
18				
	70,374	...	...	...
18				
	69,779	...	...	...
18				
	69,311	...	...	...
18				
	69,908	...	...	...
18				
	79,488	...	...	...
18				
	87,611	6,479	...	...
18				
	97,184	82,737	...	...
19				
	110,785	65,119	...	...
19				
	108,418	80,039	...	...
19				
	106,718	6,239	45,000	33,818
19				
	105,668	...	45,000	46,826
19				
	91,681	...	45,000	35,420
19				
	97,639	...	65,000	19,616
19				
	92,716	...	65,000	16,941
19				
	96,162	...	65,000	15,658
19				
	98,532	...	65,000	11,236
19				
	96,828	...	4,823*	
19				
	101,637	...	65,000	7,131
19				
	109,469	...	2,952*	
19				
	112,962	...	65,000	4,060
19				
			4,038*	
			65,000	943
			9,966*	
			65,000	80
			15,387*	
	2,661,244	218,855	692,166	191,729

*Supplemental.

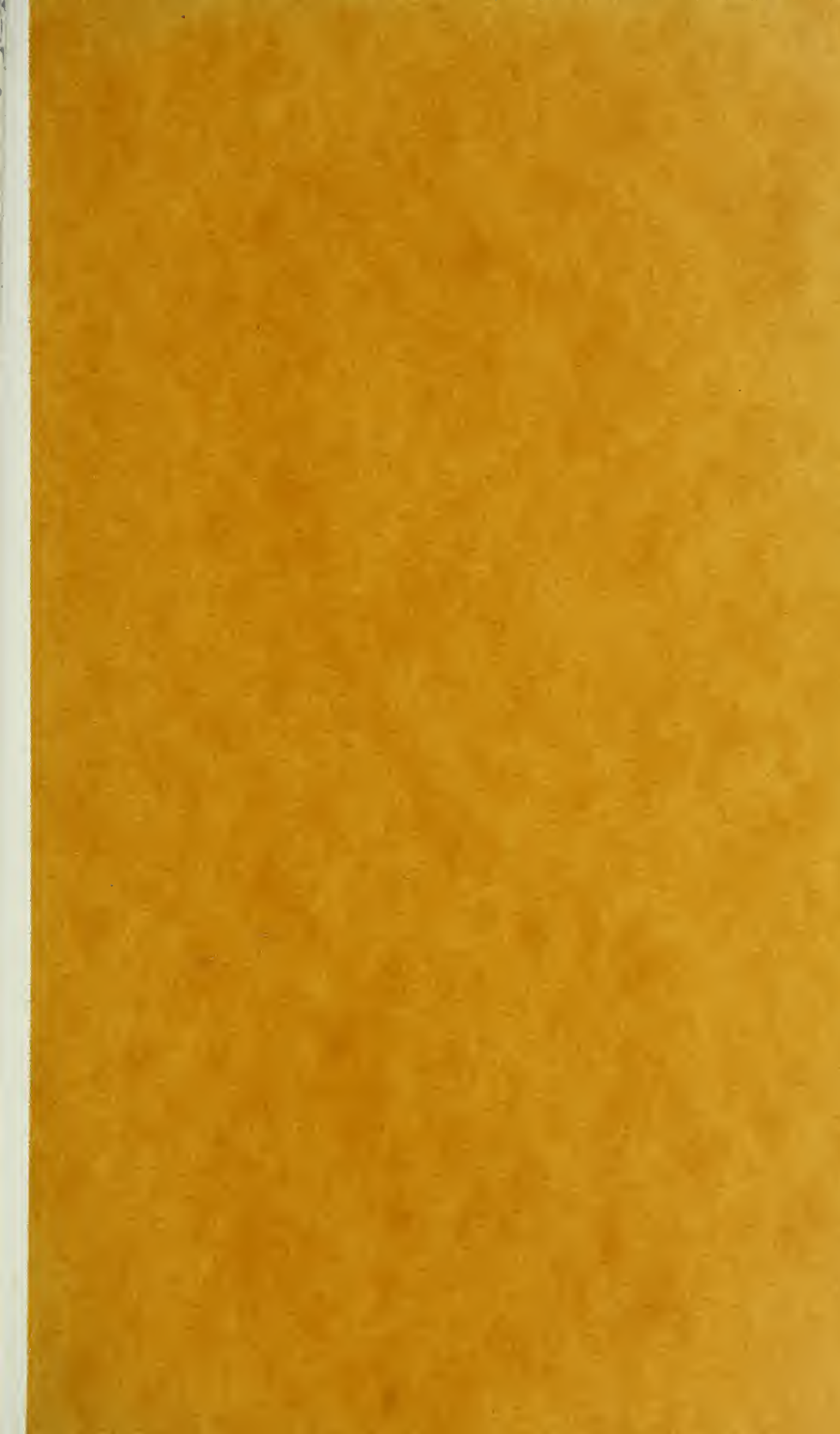
O.—SUMMARY OF THE ACCOUNTS OF THE DEPARTMENT FROM 1876.

YEAR.	WATER RENTS.	REVENUE FROM VARIOUS MINOR SOURCES.							Total Revenue.	Working Expenses.	Gross Profit.	Percentage of Gross Profit to Total Revenue.	CAPITAL CHARGES.		Reserve under Forged Transfers Act, 1891.	NET RESULTS.				
		Testing Fittings and Laying and Maintenance of Services.	Net Rents of Lands, etc.	Net Rents of Lands, etc. (Elan Estate.)	Profit on Hydraulic Power Supplies.	Fishing Subscriptions and Tickets.	Transfer Fees.	Contributions for Superannuation 1909 Scheme.					Under Acts 1875 and 1879.	Under Act 1892.		Profit.	Amount.	Loss.		
																		From Reserves.	By Contribution from Rates.	By Capitalization.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Totals, 1st Jan., 1876, to 31st Mar., 1891 ...	£ 1,771,134	£ 22,354	£ 7,347	£ ...	£ ...	£ 1,441	£ 220	£ ...	£ 1,802,496	£ 622,423	£ 1,180,073	 65·47	£ 1,145,453	£ ...	£ ...	£ 62,862	£ 28,242	£ 28,242	£ ...	£ ...
1891-92 ...	140,247	781	313	...	...	296	19	...	141,656	53,677	87,979	62·11	84,367	...	...	3,612	...	...	..	...
1892-93 ...	143,183	544	510	...	...	282	22	...	144,541	53,470	91,071	63·01	85,304	1,676	...	4,091	...	...	...	...
1893-94 ...	175,917	1,438	454	...	...	289	18	...	178,116	58,804	119,312	66·99	85,294	7,095	...	26,923	...	...	...	...
1894-95 ...	179,371	427	1,149	...	...	253	20	...	181,220	70,374	110,846	61·17	85,648	12,971	...	12,227	..	...	...	...
1895-96 ...	187,558	1,007	1,081	...	...	205	19	...	189,870	69,779	120,091	63·25	85,056	17,317	...	17,718	..	...	...	...
1896-97 ...	199,905	851	1,017	...	...	270	16	...	202,059	69,311	132,748	65·70	85,083	21,853	...	25,812	...	...	...	...
1897-98 ...	211,921	1,225	428	...	...	188	17	...	213,779	69,908	143,871	67·30	85,152	30,065	...	28,654	...	...	...	...
1898-99 ...	221,587	1,760	784	...	...	195	19	577	224,922	79,488	145,434	64·66	86,930	43,095	...	15,409	...	...	...	...
1899-1900 ...	230,987	1,482	572	...	20	172	21	589	233,843	87,611	146,232	62·53	89,137	63,574	...	...	6,479	6,479	...	...
1900-01 ...	240,966	650	688	...	(— 32)	102	20	594	243,020	97,184	145,836	60·01	88,548	90,025	...	...	32,737	32,737	...	...
1901-02 ...	251,482	783	621	...	102	126	17	612	253,743	110,785	142,958	56·34	89,006	119,071	...	...	65,119	65,119	...	...
1902-03 ...	255,997	714	837	...	104	63	19	574	258,308	108,418	149,890	58·03	88,815	141,114	...	...	80,039	80,039	...	...
1903-04 ...	261,812	934	635	...	138	115	26	583	264,243	106,718	157,525	59·61	88,660	153,922	...	...	85,057	6,239	45,000	33,818
1904-05 ...	268,545	561	473	...	155	246	21	576	270,577	105,668	164,909	60·95	88,715	167,770	250	...	91,826	...	45,000	46,826
1905-06 ...	278,043	(— 199)	1,005	...	135	177	22	572	279,954	91,681	188,273	67·25	88,538	179,905	250	...	80,420	...	45,000	35,420
1906-07 ...	285,127	871	1,122	1,733	(— 17)	209	15	580	289,657	97,639	192,018	66·22	88,475	187,909	250	...	84,616	...	65,000	19,616
1907-08 ...	287,675	(— 66)	1,018	1,747	(— 11)	222	18	588	291,268	92,716	198,552	68·17	88,317	191,926	250	...	81,941	...	65,000	16,941
1908-09 ...	293,578	846	1,005	1,221	22	187	17	590	297,466	96,162	201,304	67·67	88,466	193,246	250	...	80,658	...	65,000	15,658
1909-10 ...	298,815	1,264	1,291	1,345	12	198	10	618	303,553	98,532	205,021	67·54	88,429	197,401	250	...	81,059	...	65,000 4,823*	11,236
1910-11 ...	305,553	1,452	1,356	1,294	(— 98)	187	13	644	310,499	96,828	213,671	68·81	88,184	200,570	...	...	75,083	...	65,000 2,952*	7,131
1911-12 ...	316,290	1,191	1,597	1,345	(— 68)	253	14	657	321,347	101,637	219,710	68·37	87,750	205,058	...	...	73,098	...	65,000 4,038*	4,060
1912-13 ...	322,696	887	1,572	1,291	10	204	11	664	327,335	109,469	217,866	66·56	87,267	206,508	...	...	75,909	...	65,000 9,966*	943
1913-14 ...	330,274	925	1,402	1,254	33	112	17	678	334,695	112,962	221,733	66·25	86,591	215,610	...	...	80,467	...	65,000 15,387*	80
	7,458,663	42,947	28,277	11,230	731	5,992	631	9,696	7,558,167	2,661,244	4,896,923	64·79	3,153,185	2,647,681	1,500	197,308	1,102,750	218,855	692,166	191,729

*Supplemental.







UNIVERSITY OF ILLINOIS-URBANA



3 0112 111052848